रजिस्ट्री सं. डीएल(एन)-04/0007/2003—05 REGISTERED No. DL(N)-04/0007/2003—05

# भारत का राजपत्र
# The Gazette of India

साप्ताहिक/WEEKLY
प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 46] नई दिल्ली, शनिवार, नवम्बर 13—नवम्बर 19, 2004 (कार्तिक 22, 1926)
No. 46] NEW DELHI, SATURDAY, NOVEMBER 13—NOVEMBER 19, 2004 (KARTIKA 22, 1926)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2
## [PART III—SECTION 2]
## [पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस]
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E-mail: delhipatent@vsnl.net

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Telegraphic Address "PATENTOFFIC"
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Fax Nos. (044) 2431 4750/4751.
E-mail. patentchennai @ vsnl. net

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Kolkata–700 020.

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Fax Nos. (033) 2247 3851, 2240 1353.
E-mail. patentin @ vsnl. com
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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कोलकाता, दिनांक 13 नवम्बर 2004

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कोलकाता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं:--

1. पेटेंट कार्यालय शाखा,
टोडी इस्टेट, तीसरा तल,
सन मिल कम्पाउंड,
लोअर परेल (वेस्ट),
मुम्बई - 400 013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं
संघ शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली।

तार पता : "पेटोफिस"
फोन : (022) 2492 4058, 2496 1370, 2490 3684, 2490 3852
फैक्स : (022) 2495 0622, 2490 3852
ई. मेल : patmum@vsnl.net

2. पेटेंट कार्यालय शाखा,
डब्ल्यू-5, वेस्ट पटेल नगर,
नई दिल्ली - 110 008 ।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता : "पेटेंटोफिक"
फोन : (011) 2587 1255, 2587 1256, 2587 1257,
2587 1258.
फैक्स : (011) 2587 1256.
ई. मेल : delpatent@vsnl.net

3. पेटेंट कार्यालय शाखा,
गुप्ता कम्प्लेक्स, छठा तल, एनेक्स-II,
443, अन्नासलाई, तेनामपेट,
चेन्नई - 600 018 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं संघ
शासित क्षेत्र लक्षद्वीप, मिनिकाय तथा एमिनिदिवि द्वीप।
तार पता - "पेटेंटोफिक"
फोन : (044) 2431 4324/4325/4326.
फैक्स : (044) 2431 4750/4751.
ई. मेल : patentchennai@vsnl.net

4. पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन, 5वां, 6ठा व 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कोलकाता - 700 020 ।

भारत का अवशेष क्षेत्र।

तार पता - "पेटेंट्स"
फोन : (033) 2247 4401/4402/4403.
फैक्स : (033) 2247 3851, 2240 1353.
ई. मेल : patentin@vsnl.com
patindia@giascl01.vsnl.net.in
वेब साइट : http//www. ipindia.nic.in

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2002 अथवा पेटेंट नियम, 2003 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण किए जाएंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक, पेटेंट को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

## NATIONAL PHASE APPLICATION FOR PATENT UNDER PCT

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|---|---|---|---|---|---|---|---|
| 140 | 01171/CHENP/2003<br>Dt : 29/07/2003 | PCT/US02/02888<br>Dt : 01/02/2002 | No. 60/265, 951; 10/062006 | United States of America | Schering corporation, USA & Pharmacopeia Inc., USA | 3, 4 - DI - Substituted cyclobutene - 1, 2 - diones as CXC chemokine receptor antagonists | C 07 C 225/20 |
| 141 | 01172/CHENP/2003<br>Dt : 29/07/2003 | PCT/JP01/09328<br>Dt : 24/10/2001 | No. 2001 - 1322 | Japan | Honda Giken Kogyo Kabushiki Kaisha, Japan | Motor cycle leg shield and under cover structure | B 62 J 17/06 |
| 142 | 01173/CHENP/2003<br>Dt : 29/07/2003 | PCT/EP02/00900<br>Dt : 29/01/2002 | Nos. 101 04 224.8, 101 41 848.5 | Germany | BASF Aktiengesellschaft, Germany | Method for cleaning crude terephthalic acid and catalysts suitable for the same and containing carbon fibres | C 07 C 51/487 |
| 143 | 01174/CHENP/2003<br>Dt : 29/07/2003 | PCT/NL02/00072<br>Dt : 31/01/2002 | No. 1017250 | Netherlands | DSM IP Assets B.V., Netherlands | Process for the preparation of enantiomer - enriched amino acids | C 12 P 13/00 |
| 144 | 01175/CHENP/2003<br>Dt : 29/07/2003 | PCT/EP02/00513<br>Dt : 18/01/2002 | No. 01810079.2 | Switzerland | Ciba speciality chemicals holding inc., Switzerland | Azo dyes, a process for their preparation and their use in the dyeing or printing of hydrophobic fibre materials | C 09 B 29/42 |

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|---|---|---|---|---|---|---|---|
| 145 | 01176/CHENP/2003<br>Dt : 30/07/2003 | PCT/HR02/00001<br>Dt : 03/01/2002 | No. P20010018A | Croatia | PLIVA D.D., Croatia | Conjugates of immune cell specific macrolide compounds with anti - inflammatory compounds for improved cellular targeting of anti - inflammatory therapy | C 07 J 43/00 |
| 146 | 01177/CHENP/2003<br>Dt : 30/07/2003 | PCT/US02/04993<br>Dt : 31/01/2002 | Nos. 60/266, 022; 60/312, 737 | United States of America | Qualcomm incorporated, USA | Application distribution and billing system in a wireless network | G 06 F 17/60 |
| 147 | 01178/CHENP/2003<br>Dt : 30/07/2003 | PCT/US02/03015<br>Dt : 30/01/2002 | No. 09/773, 835 | United States of America | Qualcomm incorporated, USA | Method and apparatus for efficient use of communication resources in a data communication system under overload conditions | H 04 L 12/56 |
| 148 | 01179/CHENP/2003<br>Dt : 30/07/2003 | PCT/JP02/00542<br>Dt : 25/01/2002 | No. 2001 - 023248 | Japan | Sumitomo Chemical Company Limited, Japan | Process for producing titanium - containing silicon oxide catalyst | B 01 J 21/08 |
| 149 | 01180/CHENP/2003<br>Dt : 30/07/2003 | PCT/JP01/11067<br>Dt : 18/12/2001 | No. PR 2371; PR 7506 | Japan | Fujisawa Pharmaceutical Co., Ltd., Japan | Peptide compounds | C 07 K 5/078 |

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| 150 | 01181/CHENP/2003<br>Dt : 30/07/2003 | PCT/US02/03011<br>Dt : 30/01/2002 | No. 09/773, 403 | United States of America | Qualcomm incorporated, USA | Hybrid multi - stage circuit | H 03 M 3/02 |
| 151 | 01182/CHENP/2003<br>Dt : 30/07/2003 | PCT/US02/02971<br>Dt : 31/01/2002 | No. 60/265, 223; 60/265; 224 | United States of America | Computer Associates Think, INC., USA | System and method for defining and presenting a composite web page | G 06 F 3/00 |
| 152 | 01183/CHENP/2003<br>Dt : 30/07/2003 | PCT/US02/02972<br>Dt : 31/01/2002 | Nos. 60/265, 223; 60/265, 224 | United States of America | Computer Associates Think, INC., USA | System and method for dynamic web page generation | B 01 D 39/16 |
| 153 | 01184/CHENP/2003<br>Dt : 30/07/2003 | PCT/DK02/00080<br>Dt : 05/02/2002 | No. PA 2001 00186 | Switzerland | Novo Nordisk Health Care AG, Switzerland | Combined use of factor VII polypeptides and factor IX polypeptides | A 61 K 38/36 |
| 154 | 01185/CHENP/2003<br>Dt : 30/07/2003 | PCT/DK02/00081<br>Dt : 05/02/2002 | nO. pa 2001 00186 | Switzerland | Novo Nordisk Health Care AG, Switzerland | Combined use of factor VII polypeptides and factor VII polypeptides | A 61 K 38/48 |

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| 155 | 01186/CHENP/2003<br>Dt : 30/07/2003 | PCT/EP02/00904<br>Dt : 29/01/2002 | No. 01810127.9 | Switzerland | Ciba speciality chemicals holding inc., Switzerland | Phthalimidyl azo dyes, process for the preparation thereof and the use thereof | C 09 B 29/036 |
| 156 | 01187/CHENP/2003<br>Dt : 30/07/2003 | PCT/DK02/00003<br>Dt : 03/01/2002 | No. PA 2001 00016 | Denmark | H. Lundbeck A/S., Denmark | Pharmaceutical composition containing citalopram | PCT/DK02/00003 |
| 157 | 01188/CHENP/2003<br>Dt : 31/07/2003 | Dt : 01/01/1900 | | India | M/S. Hetero Drugs Limited, "Hetero House", H.No. 8 - 3 - 166/7/1, Erragadda, Hyderabad - 500018 | Ezetimibe polymorphs | |
| 158 | 01189/CHENP/2003<br>Dt : 31/07/2003 | PCT/US02/04992<br>Dt : 31/01/2002 | No. 09/775, 895 | United States of America | Qualcomm Incorporated USA | Position location with low tolerance oscillator | G 01 S 5/14 |
| 159 | 01190/CHENP/2003<br>Dt : 31/07/2003 | PCT/US02/01305<br>Dt : 16/01/2002 | No. 09/775, 352 | United States of America | HEADSPROUT Inc., USA | Teaching method and system | G 09 B 5/00 |
| 160 | 01191/CHENP/2003<br>Dt : 31/07/2003 | PCT/GB02/00431<br>Dt : 30/01/2002 | No. 0102448.8 | ENGLAND | Immarst ltd., England | Communication method and apparatus | H 04 L 7/04 |

## National Phase Applications for Patent under PCT filed in the month of August, 2003

| Sl No | National Phase Application No & date | Corresponding PCT Application No & Date | Priority Document No. & Date | Country | Applicant Details | Title of Invention | IPC Classes |
|---|---|---|---|---|---|---|---|
| 1 | 01192/CHENP/2003<br>Dt : 08/01/2003 | PCT/EP02/00813<br>Dt : 26/01/2002 | No. 01102492.4 | Switzerland | SICPA Holding S.A., Switzerland | A polyurethane resin and method of producing it, a coating composition comprising a polyurethane resin, use of a polyurethane resin for printing plastic substrates | C 09 D 11/10 |
| 2 | 01193/CHENP/2003<br>Dt : 08/01/2003 | PCT/EP02/00782<br>Dt : 25/01/2002 | No. 0102691.3 | Switzerland | Societe Des Produits Nestle S.A., Switzerland | Water soluble powders and tablets | A 23 C 9/152 |
| 3 | 01194/CHENP/2003<br>Dt : 08/01/2003 | PCT/EP02/01117<br>Dt : 31/01/2002 | No. 01200400.8; 01202025.1 | Germany | Corus Aluminium Walzprodukte GmbH, Germany | Brazing product | B 23 K 35/02 |
| 4 | 01195/CHENP/2003<br>Dt : 08/01/2003 | PCT/EP02/00919<br>Dt : 30/01/2002 | No. 101 05 276.6 | Germany | BASELL POLYOLEFINE GmbH, Germany | Method for dosing catalysts | B 01 J 8/00 |
| 5 | 01196/CHENP/2003<br>Dt : 08/04/2003 | PCT/IB02/00328<br>Dt : 04/02/2002 | No. 01/01544 | United States of America | 3M Innovative Properties Company, USA | Sealed and adaptable cable bushing with easy cable positioning and sleeve equipped with sucha a bushing | H 02 G 15/013 |

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| 6 | 01197/CHENP/2003<br>Dt : 08/04/2003 | PCT/EP02/01163<br>Dt : 01/02/2002 | No. 01200436.2 | Switzerland | Societe Des Produits Nestle S.A., Switzerland | Endotoxin binding by lactic acid bacteria and bifidobacteria | A 61 K 35/74 |
| 7 | 01198/CHENP/2003<br>Dt : 08/04/2003 | PCT/BE02/00013<br>Dt : 04/02/2002 | Nos. 2001/0085; 09/945, 391 | Belgium | Messadek, Jallal, Belgium | Glycine betaine and its use | A 61 K 31/00 |
| 8 | 01199/CHENP/2003<br>Dt : 08/04/2003 | PCT/GB02/00022<br>Dt : 02/01/2002 | No. 0100031.4 | Great Britain | SILVER, Joshua, David, Great Britain | Variable focus optical apparatus | G 02 B 3/14 |
| 9 | 01200/CHENP/2003<br>Dt : 08/04/2003 | PCT/EP02/01219<br>Dt : 06/02/2002 | No. 101 05 660.5 | Germany | BASF Aktiengesellschaft, Germany | Recovery of crude 1, 3 - butadiene from AC 4 fraction by extractive distillation | C 07 C 11/167 |
| 10 | 01201/CHENP/2003<br>Dt : 08/04/2003 | PCT/DE01/04791<br>Dt : 19/12/2001 | No. 101 04 121.7 | Germany | Robert Bosch GmbH, Germany | Method for producing a starting element | F 23 Q 7/00 |
| 11 | 01202/CHENP/2003<br>Dt : 08/04/2003 | PCT/JP02/00001<br>Dt : 04/01/2002 | No. 651 - 2001 | Japan | Japan Tobacco Inc., & others, Japan | Rice sucrose transporter gene promoter | C 12 N 15/09 |
| 12 | 01203/CHENP/2003<br>Dt : 08/04/2003 | PCT/NO02/00004<br>Dt : 04/01/2002 | No. 20010100 | United States of America | Martin Engineering Company, USA | Guidance unit for conveyor belt | B 65 G 15/64 |
| 13 | 01204/CHENP/2003<br>Dt : 08/04/2003 | PCT/US02/03545<br>Dt : 08/02/2002 | Nos. 60/267, 551; 60/327, 801 | United States of America | Monsanto Technology , LLC., USA | Identification of seeds or plants using phenotypic markers | C 12 N 15/82 |

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| 14 | 01205/CHENP/2003<br>Dt : 08/05/2003 | PCT/US02/03694<br>Dt : 07/02/2002 | No. 60/267, 756 | United States of America | REM Technologies, Inc., USA | Chemical mechanical machining and surface finishing | B 24 B 37/04 |
| 15 | 01206/CHENP/2003<br>Dt : 08/05/2003 | PCT/AU02/00066<br>Dt : 24/01/2002 | No. PR 2923 | Australia | Silverbrook Research Pty Ltd., Australia | Protection of nozzle structures in an inkjet printhead | B 41 J 2/16 |
| 16 | 01207/CHENP/2003<br>Dt : 08/05/2003 | PCT/AU02/00067<br>Dt : 24/01/2002 | No. PR 2925 | Australia | Silverbrook Research Pty Ltd., Australia | Method of separating a sheet of print media from a stack of sheets | B 65 G 59/04 |
| 17 | 01208/CHENP/2003<br>Dt : 08/05/2003 | PCT/AU02/00068<br>Dt : 24/01/2002 | No. PR 2924 | Australia | Silverbrook Research Pty Ltd., Australia | Flooded nozzle detection | B 41 J 2/135 |
| 18 | 01209/CHENP/2003<br>Dt : 08/05/2003 | PCT/EP02/01249<br>Dt : 06/02/2002 | No. 0103046.9 | Switzerland | Novartis AG, Switzerland | Malic acid addition salts of terbinafine | C 07 C 211/30 |
| 19 | 01210/CHENP/2003<br>Dt : 08/05/2003 | PCT/SE02/00150<br>Dt : 29/01/2002 | No. 0100418 - 3 | Sweden | Pharmacia AB, Sweden | Liquid delivery device and method for operating an ejecting device | B 05 B 9/04 |

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| 20 | 01211/CHENP/2003<br>Dt : 08/06/2003 | PCT/JP01/06989<br>Dt : 13/08/2001 | Nos. 2001 - 001947; 2001 - 232798 | Japan | Takahiko MUKOUDA, Japan | Connector component for multi - core optical fiber, ferrule, and method for manufacturing the same | G 02 B 6/40 |
| 21 | 01212/CHENP/2003<br>Dt : 08/06/2003 | PCT/US01/03986<br>Dt : 07/02/2001 | - | United States of America | Qualcomm Incorporated, USA. | Method and apparatus for applying clock signals to the processor of mobile subscriber station to manage power consumption | 15/08/2002 |
| 22 | 01213/CHENP/2003<br>Dt : 08/06/2003 | PCT/IB02/01431<br>Dt : 08/02/2002 | No. 20010238 | Finland | Nokia Corporation, Finland | Multimedia messaging method and system | H 04 L 29/06 |
| 23 | 01214/CHENP/2003<br>Dt : 08/06/2003 | PCT/US02/03431<br>Dt : 06/02/2002 | Nos. 60/266, 735; 60/329, 943 | United States of America | Swagelok company, USA | Lubricated low temperature carburized stainless steel parts | F 16 L |
| 24 | 01215/CHENP/2003<br>Dt : 08/06/2003 | PCT/US02/03431<br>Dt : 06/02/2002 | Nos. 60/266, 735; 60/329, 943 | United States of America | Swagelok Company, USA | Tube fitting with separable tube gripping ring | F 16 L |
| 25 | 01216/CHENP/2003<br>Dt : 08/06/2003 | PCT/US02/03430<br>Dt : 06/02/2002 | No. 60/266, 735 | United States of America | Swagelok Company, USA | Tube fitting for stainless steel tubing | F 16 L 19/10 |

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| 26 | 01217/CHENP/2003<br>Dt : 08/06/2003 | PCT/IB02/00406<br>Dt : 11/02/2002 | No. 0248/01 | British Virgin Islands | Clariant Finance (BVI) Limited, British Virgin Islands | Protection of reduction - sensitive dyes | D 06 P 1/60 |
| 27 | 01218/CHENP/2003<br>Dt : 08/06/2003 | PCT/EP02/00070<br>Dt : 07/01/2002 | No. 01810028.9 | Switzerland | Ciba Specialty Chemicals Holding Inc., Switzerland | Process for the preparation of triazinylaminostilbene - disulphonic acid compounds | C 07 D 251/68 |
| 28 | 01219/CHENP/2003<br>Dt : 08/06/2003 | PCT/US02/03672<br>Dt : 07/02/2002 | Nos. 60/67, 375; 60/292, 600 | United States of America | Schering Corporation, USA. | Canabinoid receptor ligands | C 07 C 317/50 |
| 29 | 01220/CHENP/2003<br>Dt : 08/06/2003 | PCT/US02/00305<br>Dt : 07/01/2002 | No. 09/757, 631 | United States of America | BIC Corporation, USA | Covered spark - generating device for a lighter with disengageable manipulable member | F 23 Q 7/12 |
| 30 | 01221/CHENP/2003<br>Dt : 08/07/2003 | PCT/IB01/01371<br>Dt : 31/07/2001 | | India | Mr. Sasken Communication Technologies Limited, HAL 2nd Stage, 5008, 12th B Main, Indiranagar, Bangalore - 560008 | Adaptive - block - length audio coder | G 10 L 19/02 |
| 31 | 01222/CHENP/2003<br>Dt : 08/07/2003 | PCT/EP02/01213<br>Dt : 05/02/2002 | No. 60/267, 301 | Switzerland | MBT Holding AG, Switzerland | Polymeric structural support membrane | C 08 J 5/22 |
| 32 | 01223/CHENP/2003<br>Dt : 08/07/2003 | PCT/EP02/00898<br>Dt : 25/01/2002 | No. 101 06 208.7 | Germany | Aloys wobben, Germany | Azimuth guidance for a wind energy plant | F 03 D 7/02 |
| 33 | 01224/CHENP/2003<br>Dt : 08/07/2003 | PCT/US02/00845<br>Dt : 11/01/2002 | No. 09/758, 883 | United States of America | DOV Pharmaceutical , INC., USA | (+) - 1 - (3, 4 - Dichlorophenyl) - 3 - Azabicyclo (3.1.0) | C 07 D 209/52 |

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| | | | | | | Hexane, compositions and uses thereof | |
| 34 | 01225/CHENP/2003<br>Dt : 08/07/2003 | PCT/EP02/00298<br>Dt : 08/01/2002 | No. 09/756, 296 | Belgium | Bayer Bioscience N.V., Belgium | Novel bacillus thuringiensis insecticidal proteins | F 16 J |
| 35 | 01226/CHENP/2003<br>Dt : 08/07/2003 | PCT/EP02/01218<br>Dt : 06/02/2002 | No. 101 05 527.7 | Germany | BASF Aktiengesellschaft, Germany | Process for the manufacturing of an epoxide | C 07 D 301/12 |
| 36 | 01227/CHENP/2003<br>Dt : 08/07/2003 | PCT/EP02/01112<br>Dt : 04/02/2002 | No. 0103192.1 | Great Britain | Ciba Speciality Chemicals Water Treatments Limited, Great Britain | Scale removal or prevention | C 02 F 5/10 |
| 37 | 01228/CHENP/2003<br>Dt : 08/07/2003 | PCT/NO02/00068<br>Dt : 19/02/2002 | Nos. 2001 0850, 2002 0091 | Norway | Framo Engineering AS, Norway | Apparatus for transferring hydrocarbons from a subsea source to a vessel | B 63 B 22/26 |
| 38 | 01229/CHENP/2003<br>Dt : 08/07/2003 | PCT/US02/00821<br>Dt : 11/01/2002 | Nos. 60/261, 933; 80/293, 440 | United States of America | Merck & CO., INC., USA | Improved process for carbapenem synthesis | C 07 D 477/20 |
| 39 | 01230/CHENP/2003<br>Dt : 08/07/2003 | PCT/EP02/01178<br>Dt : 05/02/2002 | No. 101 05 528.5 | Germany | BASF Aktiengesellschaft, Germany | Method for the online determination of hydrogen peroxide | G 01 N 23/00 |
| 40 | 01231/CHENP/2003<br>Dt : 08/08/2003 | nil<br>Dt : 01/01/1900 | nil | India | Hetero Drugs Limited, "Hetero House", H.No.8-3-166/7/1, Erragadda, Hyderabad-500018. | Novel crystalline forms of celecoxib | nil |

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| 41 | 01232/CHENP/2003<br>Dt : 08/08/2003 | PCT/US02/21647<br>Dt : 06/02/2002 | 09/781,012 | United States of America | Qualcomm Incorporated, USA. | Method and apparatus for transmitting messages in a wireless communication system | H04B |
| 42 | 01233/CHENP/2003<br>Dt : 08/08/2003 | PCT/IB02/01404<br>Dt : 08/02/2002 | 60/267,373 | Switzerland | Schering Plough Ltd., Switzerland | Parasiticidal compositions and methods of use | A61K 31/015 |
| 43 | 01234/CHENP/2003<br>Dt : 08/08/2003 | PCT/EP02/01106<br>Dt : 04/02/2002 | 60/268,375 & 60/334,654 | Switzerland | F.Hoffmann - LA Roche AG, Switzerland | 6-Substituted pyrido-pyrimidines | C07D 487/04 |
| 44 | 01235/CHENP/2003<br>Dt : 08/08/2003 | PCT/EP02/01420<br>Dt : 11/02/2002 | 0103389.3 | Switzerland | Novartis AG, Switzerland | Therapeutic binding molecules | C12N 15/13 |
| 45 | 01236/CHENP/2003<br>Dt : 08/08/2003 | PCT/EP02/01271<br>Dt : 07/02/2002 | 01103284.4 & 01127405.7 - Europe | Switzerland | F.Hoffmann - LA Roche AG, Switzerland | Process for the manufacture of phenylacetic acid derivatives | C07C 51/12 |
| 46 | 01237/CHENP/2003<br>Dt : 08/08/2003 | PCT/GB01/05599<br>Dt : 18/12/2001 | 0100912.5 | United Kingdom | WapTV Ltd., United Kingdom | Television receiver and method of operating a server | H04N 7/088 |
| 47 | 01238/CHENP/2003<br>Dt : 08/08/2003 | PCT/EP02/01111<br>Dt : 29/01/2002 | 60/267,478 & 01200633.0 of USA & Europe | Netherlands | Akzo Nobel N.V., The Netherlands | Quasi-crystalline hydrated magnesium-aluminium hydroxy carboxylates, thier preparation and their use | C07C 51/41 |

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| 48 | 01239/CHENP/2003<br>Dt : 08/08/2003 | PCT/EP02/01110<br>Dt : 29/01/2002 | 60/267,471 & 01200834.8 of U.S.A & Europe | Netherlands | Akzo Nobel N.V., The Netherlands | In situ formed anionic clay-containing bodies | C01F 7/00 |
| 49 | 01240/CHENP/2003<br>Dt : 08/08/2003 | PCT/EP02/01234<br>Dt : 05/02/2002 | 60/267,469 & 01200805.8 of U.S.A & Europe | Netherlands | Akzo Nobel N.V., The Netherlands | Process for the preparation of anionic clay and boehmite-containing compositions | C01B 13/36 |
| 50 | 01241/CHENP/2003<br>Dt : 08/08/2003 | PCT/EP02/01235<br>Dt : 04/02/2002 | 60/267,470 & 01200831.4 of USA & Europe | Netherlands | Akzo Nobel N.V., The Netherlands | Doped anionic clays | C01F 7/00 |
| 51 | 01242/CHENP/2003<br>Dt : 08/08/2003 | PCT/EP02/01233<br>Dt : 05/02/2002 | 60/267,477 & 01200832.8 of U.S.A & Europe | Netherlands | Akzo Nobel N.V., The Netherlands | Process for the preparation of anionic clay | C01F 7/00 |
| 52 | 01243/CHENP/2003<br>Dt : 08/08/2003 | PCT/EP02/01634<br>Dt : 13/02/2002 | 01301272.9, 01400562.3 & 01402181.0 of Europe | Netherlands | Shell internationale research maatschappij, Netherlands | Base oil composition | C10M 101/02 |
| 53 | 01244/CHENP/2003<br>Dt : 08/11/2003 | PCT/GB02/00587<br>Dt : 13/02/2002 | No. 0103449.5 | Belgium | Sofitech N.V., Belgium | Viscoelastic compositions | E 21 B 43/26 |
| 54 | 01245/CHENP/2003<br>Dt : 08/11/2003 | PCT/GB02/00589<br>Dt : 13/02/2002 | No. 0103449.5 | Belgium | Sofitech N.V., Belgium | Aqueous viscoelastic fluid | E 21 B 43/26 |

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| 55 | 01246/CHENP/2003<br>Dt : 08/11/2003 | PCT/EP02/00411<br>Dt : 17/01/2002 | Nos. 10102279.4; 10123734.0 | Germany | BASF Aktiengesellschaft, Germany | Fungicidal mixtures | A 01 N 35/04 |
| 56 | 01247/CHENP/2003<br>Dt : 08/11/2003 | PCT/EP02/00414<br>Dt : 17/01/2002 | No. 101 02 281.6 | Germany | BASF Aktiengesellschaft, Germany | Fungicidal mixtures | A 01 N 35/04 |
| 57 | 01248/CHENP/2003<br>Dt : 08/11/2003 | PCT/EP02/00410<br>Dt : 17/01/2002 | No. 101 02 311.1 | Germany | BASF Aktiengesellschaft, Germany | Fungicidal mixtures from benzophenones and N - biphenyl nicotinamides | A 01 N 43/40 |
| 58 | 01249/CHENP/2003<br>Dt : 08/11/2003 | PCT/EP02/01449<br>Dt : 12/02/2002 | No. 01102853.7 | Germany | Aventis pharma deutschland GmbH, Germany | Acylated 6, 7, 8,9 - tetrahydro - 5H - benzocycloheptenyl amines and their use as pharmaceutical | C 07 C 233/65 |
| 59 | 01250/CHENP/2003<br>Dt : 08/11/2003 | PCT/IN01/00160<br>Dt : 26/09/2001 | - | India | Parry Nutraceuticals Ltd., Chennai | Process to produce astaxanthin from haematococcus biomass | C 12 N 1/02 |
| 60 | 01251/CHENP/2003<br>Dt : 08/11/2003 | PCT/EP02/01443<br>Dt : 12/02/2002 | No. 01102852.9 | Germany | Aventis pharma deutschland GmbH, Germany | 4 - fluoro -N - indan - 2 - yl benzamide and its use as pharmaceutical | A 61 K 31/66 |
| 61 | 01252/CHENP/2003<br>Dt : 08/11/2003 | PCT/EP02/01444<br>Dt : 12/02/2002 | No. 01 102 850.3 | Germany | Aventis pharma deutschland GmbH, Germany | Acylated indanyl amines and their use as pharmaceuticals | C 07 C 233/64 |
| 62 | 01253/CHENP/2003<br>Dt : 08/12/2003 | PCT/US02/3730<br>Dt : 06/02/2002 | 60/268,187 | United States of America | QUALCOMM INCORPORATED, 5775 MOREHOUSE DRIVE, SAN DIEGO, CALIFORNIA 92121-1714, USA | METHOD AND APPARATUS FOR SEARCHING A GATED PILOT | WO |

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| 63 | 01254/CHENP/2003<br>Dt : 08/12/2003 | PCT/US02/03729<br>Dt : 06/02/2002 | 09/782,751 | United States of America | QUALCOMM INCORPORATED, 5775 MOREHOUSE DRIVE, SAN DIEGO, CALIFORNIA 92121-1714, USA | METHOD AND APPARATUS FOR POWER CONTROL IN A WIRELESS COMMUNICATION SYSTEM. | WO 02/065663 A3 |
| 64 | 01255/CHENP/2003<br>Dt : 08/12/2003 | PCT/GB02/00142<br>Dt : 15/01/2002 | 0101010.7 | United Kingdom | RECKITT BENCKISER (UK) LIMITED OF 103-105 BATH ROAD, SLOUGH BERKSHIRE SL13UH, UNITED KINGDOM | AIR FRESHENING DEVICE. | WO 02/055116 A1 |
| 65 | 01256/CHENP/2003<br>Dt : 08/12/2003 | PCT/JP02/09849<br>Dt : 25/09/2002 | 2001-308671 | Japan | TORAY INDUSTURIES, INC OF 2-, NIHONBASHI-MUROMACHI 2-CHROME CHUO-KU TOKYO 103-8666,JAPAN | HOLLOW FIBER MEMBRANE AND METHOD OF PRODUCING THE SAME. | WO 03/031038 A1 |
| 88 | 01257/CHENP/2003<br>Dt : 08/12/2003 | PCT/CH02/00088<br>Dt : 14/02/2002 | 1027/01 | Liechtenstein | BREVITED ETABLISSEMENT POUR L'EXPLOITATION DE BREVETS TEXTILES C/O FIDARCO TREUHAND-UND VERWALTUNGS-ANSTALT AUSTRASSE 79 P O BOX 26 FL 9490 VADUZ LIECHTENSTEIN. | PATTERNED FABRIC AND METHOD FOR PRODUCING THEREOF. | WO 02/066720 A2 |

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| 67 | 01258/CHENP/2003<br>Dt : 08/12/2003 | PCT/US02/05501<br>Dt : 14/02/2002 | 60/268,846 | United States of America | AVENTIS PHARMACEUTICALS INC 300 SOMERSET CORPORATE BOULEVARD BRIDGEWATER NEW HERSEY 08807-2854 USA | METHOD OF TREATING OF DEMYELINATING DISEASES OR CONDITIONS. | WO 02/064126 A2 |
| 68 | 01259/CHENP/2003<br>Dt : 08/12/2003 | PCT/EP02/01707<br>Dt : 18/02/2002 | 101 07339.9 | Germany | JOMED GMBH OF RUDOLF-DIESEL-STR,29 72414 RANGENDINGEN, GERMANY & FUJISAWA PHARMACEUTICAL CO. LTD., | IMPLANTS WITH FK 506 | WO 02/065947 A2 |
| 69 | 01260/CHENP/2003<br>Dt : 08/12/2003 | PCT/IB02/00211<br>Dt : 25/01/2002 | 09/782,032 | Finland | Nokia Corporation, Finland. | AUTOMATIC DETECTION AND MODIFICATION OF CHANNEL USAGE IN TDMA WIRELESS COMMUNICATION NETWORKS | WO 02/065790 A3 |
| 70 | 01261/CHENP/2003<br>Dt : 08/12/2003 | PCT/EP02/00091<br>Dt : 08/01/2002 | 01810038.8 | Switzerland | CIBA SPECIALTY CHEMICALS HOLDING INC OF KLYBECKSTRASSE 141 CH-4057 BASEL, SWITZERLAND | INK-JET INK AND RECORDING MATERIAL | WO 02/055618 A1 |
| 71 | 01262/CHENP/2003<br>Dt : 13/08/2003 | PCT/US02/03728<br>Dt : 06/02/2002 | No. 09/783, 863 | United States of America | Qualcomm Incorporated , USA | Method and apparatus for reducing undesired packet generation | G 10 L 19/14 |

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| 72 | 01263/CHENP/2003<br>Dt : 13/08/2003 | PCT/US02/04725<br>Dt : 15/02/2002 | No. 09/788, 258 | United States of America | Qualcomm Incorporated , USA | Method and apparatus for controlling transit power of multiple channels in a CDMA communication system | H 04 B 7/005 |
| 73 | 01264/CHENP/2003<br>Dt : 13/08/2003 | PCT/US02/05171<br>Dt : 14/02/2002 | No. 09/788, 259 | United States of America | Qualcomm Incorporated , USA | Reverse link channel architecture for a wireless communication system | H 04 B 7/00 |
| 74 | 01265/CHENP/2003<br>Dt : 13/08/2003 | PCT/US02/04726<br>Dt : 15/02/2002 | No. 09/785, 838 | United States of America | Qualcomm Incorporated , USA | Method for originating packet data calls via dial - up networking applications | H 04 Q 7/22 |
| 75 | 01266/CHENP/2003<br>Dt : 13/08/2003 | PCT/US02/18137<br>Dt : 06/06/2002 | Nos. 60/340, 189; 10/057, 441 | United States of America | Qualcomm Incorporated , USA | System and method of estimation of time of arrival | H 04 B 1/707 |
| 76 | 01267/CHENP/2003<br>Dt : 13/08/2003 | PCT/IL02/00044<br>Dt : 17/01/2002 | No. 60/261, 834 | Israel | Ramot At Tel Aviv University Ltd., Israel | Chitinases, derived from carnivorous plants polynucleotide sequences encoding thereof, and methods of isolating and using same | C 12 N |
| 77 | 01268/CHENP/2003<br>Dt : 13/08/2003 | PCT/EP02/01308<br>Dt : 08/02/2002 | No. 101 08 211.8 | Germany | Aventis pharma deutschland GmbH, Germany | Use of fusion proteins whose N - terminal part is a hirudin derivative for the production of recombinant proteins via secretion by | C 12 N 15/81 |

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| 78 | 01269/CHENP/2003<br>Dt : 13/08/2003 | PCT/EP02/01306<br>Dt : 08/02/2002 | No. 101 08 100.6 | Germany | Aventis pharma deutschland GmbH, Germany | Supersecretable peptides, processes for their production, and parallel improvement of the secreted form of one or more other polypeptides | C 12 N 15/00 |
| 79 | 01270/CHENP/2003<br>Dt : 13/08/2003 | PCT/ES01/00060<br>Dt : 16/02/2001 | - | Spain | Tecnicas reunidas S.A., Spain | Process for electrolytic production of ultra - pure zinc or zinc compounds from zinc primary and secondary raw materials | C 25 C 1/16 |
| 80 | 01271/CHENP/2003<br>Dt : 13/08/2003 | PCT/DK02/00110<br>Dt : 15/02/2002 | No. PA 2001 00263 | Denmark | VIR A/S., Denmark | Method for the preparation of optical (BIO) chemical sensor devices | B 01 L 3/00 |
| 81 | 01272/CHENP/2003<br>Dt : 13/08/2003 | PCT/NL02/00040<br>Dt : 18/01/2002 | Nos. 01200213.5, 01203985.5 | Netherlands | Vironovative B.V., Netherlands | A virus causing respiratory tract illness in suspectible mammals | C 07 K 14/135 |
| 82 | 01273/CHENP/2003<br>Dt : 13/08/2003 | PCT/DK01/00110<br>Dt : 16/02/2001 | - | Denmark | Semco Vakuumteknik A/S., Denmark | A disintegrator for toilets | E 03 D 11/11 |
| 83 | 01274/CHENP/2003<br>Dt : 14/08/2003 | PCT/EP02/14828<br>Dt : 18/12/2002 | No. 60/342, 718 | Netherlands | Irdeto Access B.V., Netherlands | Digital content distribution system | G 06 F 17/30 |

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| 84 | 01275/CHENP/2003<br>Dt : 14/08/2003 | PCT/DK02/00097<br>Dt : 12/02/2002 | No. PA 2001 00270 | Denmark | Novozymes A/S., Denmark | Reduction of malodor from laundry | C 11 D 3/386 |
| 85 | 01276/CHENP/2003<br>Dt : 14/08/2003 | PCT/US02/02142<br>Dt : 23/01/2002 | No. 09/784, 807 | United States of America | Qualcomm Incorporated , USA | Method and apparatus for link quality feedback in a wireless communication | H 04 B 7/005 |
| 86 | 01277/CHENP/2003<br>Dt : 14/08/2003 | PCT/US02/04727<br>Dt : 15/02/2002 | Nos. 60/269, 623; 10/034, 734 | United States of America | Qualcomm Incorporated , USA | Direct conversion receiver architecture | H 03 G |
| 87 | 01278/CHENP/2003<br>Dt : 14/08/2003 | PCT/US02/01842<br>Dt : 19/01/2002 | No. 60/262, 995 | Germany | BASF Aktiengesellschaft, Germany | Processes for enhanced production of pantothenate | C 12 P |
| 88 | 01279/CHENP/2003<br>Dt : 14/08/2003 | PCT/EP02/00497<br>Dt : 19/01/2002 | No. 101 02 835.0 | Germany | BASF Aktiengesellschaft, Germany | Fungicidal mixtures | A 01 N 47/12 |
| 89 | 01280/CHENP/2003<br>Dt : 14/08/2003 | PCT/US02/00925<br>Dt : 18/01/2002 | Nos. 60/263, 053; 60/262, 995; 60/347, 638 | Germany | BASF Aktiengesellschaft, Germany | Microorganisms and processes for enhanced production of pantothenate | C 12 P 13/02 |

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| 90 | 01281/CHENP/2003<br>Dt : 14/08/2003 | PCT/EP02/01795<br>Dt : 19/02/2002 | No. 01200610.2 | Netherlands | Solvay pharmaceuticals B.V., Netherlands | 8 - {4-[3-(5-fluoro - 1H - indol - 3 - yl) - propyl] - piperazin - 1 - yl} - 2 - methyl - 4H - benzo[1, 4] oxazin - 3 - one mesylate with high affinity for the dopamine D2 receptor and the sertonin reuptake site | C 07 D 413/12 |
| 91 | 01282/CHENP/2003<br>Dt : 18/08/2003 | PCT/GB02/00709<br>Dt : 18/02/2002 | No. 0103881.9 | Liechtenstein | Gersan Establishment , Liechtenstein | Forming a mark on a gemstone or industrial diamond | B 44 C 1/00 |
| 92 | 01283/CHENP/2003<br>Dt : 18/08/2003 | PCT/GB02/00712<br>Dt : 18/02/2002 | No. 0103881.9 | Liechtenstein | Gersan Establishment , Liechtenstein | Mounting and preparing a gemstone or industrial diamond for the formation of a mark on the surface thereof | B 44 C 1/00 |
| 93 | 01284/CHENP/2003<br>Dt : 18/08/2003 | PCT/IB02/00509<br>Dt : 20/02/2002 | No. 01/02385 | France | Schlumberger systemes, France | Method for the creation of random values by a module associated with a microprocessor | G 06 F 7/58 |
| 94 | 01285/CHENP/2003<br>Dt : 18/08/2003 | PCT/NL02/00041<br>Dt : 18/01/2002 | No. 01200210.1 | Netherlands | EFKA Additives B.V., Netherlands | dispersing agent | B 01 F 17/00 |

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| 95 | 01286/CHENP/2003<br>Dt : 18/08/2003 | PCT/DE02/04160<br>Dt : 11/11/2002 | No. 101 62 651.7 | Germany | Robert Bosch GmbH, Germany | Fuel - injection device for an internal combustion engine | F 02 M 45/08 |
| 96 | 01287/CHENP/2003<br>Dt : 18/08/2003 | PCT/JP02/01419<br>Dt : 19/02/2002 | No. 2001 - 043494 | Japan | Japan Absorbent Technology Institute , Tokyo & Mitsubishi corporation, Tokyo, Japan | Liquid distribution unit and absorbent product having the same | A 61 F 13/537 |
| 97 | 01288/CHENP/2003<br>Dt : 18/08/2003 | PCT/US02/04949<br>Dt : 20/02/2002 | No. 60/270, 062 | United States of America | Solae, LLC., USA | Highly soluble, high molecular weight soy protein | A 23 J 3/16 |
| 98 | 01289/CHENP/2003<br>Dt : 18/08/2003 | PCT/EP02/01746<br>Dt : 19/02/2002 | No. 101 07 683.5 | Germany | MERCKLE GmbH, Germany | 2 - thio - substituted imidazole derivatives and their use in pharmacy | C 07 D 401/04 |
| 99 | 01290/CHENP/2003<br>Dt : 18/08/2003 | PCT/AU02/00069<br>Dt : 22/01/2002 | No. PR 3153 | Australia | Silverbrook Research Pty Ltd., Australia | Apparatus for separating a sheet of print media from a stack of sheets | B 65 G 59/04 |
| 100 | 01291/CHENP/2003<br>Dt : 18/08/2003 | PCT/US02/03086<br>Dt : 18/01/2002 | Nos. 60/263, 313 ; 60/282, 069 | United States of America | ISIS Pharmacueticals , Inc., USA & Merck & Co., Inc., USA | Nucleoside derivatives as inhibitors of RNA - Dependent RNA viral polymerase | C 07 H 19/00 |
| 101 | 01292/CHENP/2003<br>Dt : 18/08/2003 | PCT/EP02/01533<br>Dt : 14/02/2002 | Nos. 01103953.4; 60/332, 546 | Switzerland | Lonza AG, Switzerland | Process and catalyst for the preparation of acetylpyridines | C 07 D 213/50 |

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| 102 | 01293/CHENP/2003<br>Dt : 19/08/2003 | PCT/JP01/01331<br>Dt : 23/02/2001 | - | Japan | Toyo Boseki Kabushiki Kaisha, Japan | Polyester polymerization catalyst, polyester produced by using the same and proess for producing polyester | C 08 G 63/82 |
| 103 | 01294/CHENP/2003<br>Dt : 19/08/2003 | PCT/EP02/01644<br>Dt : 15/02/2002 | No. 01103613.4 | Switzerland | Givaudan SA, Switzerland | Method for producing macrocyclic ketones | C 07 C 45/51 |
| 104 | 01295/CHENP/2003<br>Dt : 19/08/2003 | PCT/US02/05338<br>Dt : 22/02/2002 | No. 60/270, 970 | United States of America | Insulet corporation, USA | Modular infusion device and method | A 61 M |
| 105 | 01296/CHENP/2003<br>Dt : 19/08/2003 | PCT/EP02/00500<br>Dt : 19/01/2002 | No. 10108472.2 | Germany | Bayer Cropscience GmbH, Germany | Agrochemical formulations | A 01 N 25/02 |
| 106 | 01297/CHENP/2003<br>Dt : 19/08/2003 | PCT/EP02/01755<br>Dt : 20/02/2002 | No. 10108222.3 | Germany | BASF Aktiengesellschaft, Germany | Preparation of D - Pantothenic acid and/ or salts thereof as additive for animal feedstuffs | C 12 P 13/02 |
| 107 | 01298/CHENP/2003<br>Dt : 19/08/2003 | PCT/EP02/01753<br>Dt : 20/02/2002 | No. 10108225.8 | Germany | BASF Aktiengesellschaft, Germany | Preparation of D - Pantothenic acid and/ or salts thereof as an additive to animal feedstuffs | C 12 P 13/00 |
| 108 | 01299/CHENP/2003<br>Dt : 19/08/2003 | PCT/EP02/01352<br>Dt : 08/02/2002 | Nos. 01301272.9; 01400562.3; 01402181.0 | Netherlands | Shell internationale research maatschappij B.V., Netherlands | Lubricant composition | C 10 M 169/04 |

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| 109 | 01300/CHENP/2003<br>Dt : 19/08/2003 | PCT/EP02/00863<br>Dt : 28/01/2002 | No. 101 03 565.9 | Germany | Faustus Forschungs Cie Translational Cancer Research GmbH Grimmaische Strasse, Germany | Compositions containing a ruthenium (III) complex and a heterocycle | C 07 F 15/00 |
| 110 | 01301/CHENP/2003<br>Dt : 21/08/2003 | PCT/IB01/01672<br>Dt : 13/09/2001 | No. 60/266, 698 | India | M/S. Sasken Communication Technologies Limited, Bangalore, Karnataka | A data decompression technique for image processing | H 04 N 1/41 |
| 111 | 01302/CHENP/2003<br>Dt : 21/08/2003 | -<br>Dt : 01/01/1900 | | India | M/S. Hetero Drugs Limited, (R & D), Plot No. B - 80 & 81, A.P.I.E.,Balanagar, Hyderabad - 500018 | Process for pure perindopril tert - butylamine salt | |
| 112 | 01303/CHENP/2003<br>Dt : 21/08/2003 | PCT/EP02/01785<br>Dt : 15/02/2002 | No. PI 0100680 - 0 | Netherlands | Akzo Nobel N.V. & Petroleo Brasileiro S.A., Netherlands | Cracking catalyst composition | B 02 J |
| 113 | 01304/CHENP/2003<br>Dt : 21/08/2003 | PCT/EP02/00339<br>Dt : 15/01/2002 | No. 119/01 | Switzerland | Ciba Speciality Chemicals Holding Inc., Switzerland | Single - phase mixed crystals of laked monoazo dyes | C 09 B 67/22 |
| 114 | 01305/CHENP/2003<br>Dt : 21/08/2003 | PCT/IB02/00638<br>Dt : 26/02/2002 | No. 01/02572 | France | Clarinat (France), France | Process for the preparation of alkyl benzoylacrylates | C 07 C 67/08 |
| 115 | 01306/CHENP/2003<br>Dt : 21/08/2003 | PCT/US02/04820<br>Dt : 20/02/2002 | No. 09/791, 340 | Canada | Power - measurment ltd., Canada | System and method for manufacturing and configuring inteliigent electronic devices to order | H 04 L |

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| 116 | 01307/CHENP/2003<br>Dt : 21/08/2003 | PCT/EP02/01307<br>Dt : 08/02/2002 | No. 101 08 212.6 | Germany | Aventis pharma deutschland GmbH, Germany | Fusion protein for the secretion of a protein of interest into the supernatant of the bacterial culture | C 12 N 15/62 |
| 117 | 01308/CHENP/2003<br>Dt : 21/08/2003 | PCT/US01/44716<br>Dt : 29/11/2001 | No. 09/791, 157 | United States of America | 3M Innovative Properties Company, USA | Optical bodies containing cholesteric liquid crystal material and methods of manufacture | G 02 F 1/1335 |
| 118 | 01309/CHENP/2003<br>Dt : 21/08/2003 | PCT/JP02/13545<br>Dt : 25/12/2002 | No. 2001 - 395778 | Japan | Idemitsu petrochemical co. ltd., Japan | Catalyst for production of bisphenols, and method for producing bisphenols with the catalyst | B 01 J 31/10 |
| 119 | 01310/CHENP/2003<br>Dt : 21/08/2003 | PCT/EP0[illegible]/01837<br>Dt : [illegible]1/02/2002 | No. 01104640.6 | Switzerland | F. Hoffmann - La Roche AG, Switzerland | PEG - CONJUGATES OF IIGT - NK4, | A 61 K 47/48 |
| 120 | 01311/CHENP/2003<br>Dt : 21/08/2003 | PCT/DK02/00122<br>Dt : 22/02/2002 | No. PA 2001 00297 | Denmark | Tele - CD Company A/S., Denmark | Method for production of an optical disc with a detachable module | B 29 C 45/56 |
| 121 | 01312/CHENP/2003<br>Dt : 21/08/2003 | PCT/US02/05149<br>Dt : 22/02/2002 | Nos. 60/270, 696; 60/272, 426 | United States of America | Philip Morris Products, Inc., USA | Cigarette and filter with downstream flavor addition | A 24 D 3/00 |
| 122 | 01313/CHENP/2003<br>Dt : 21/08/2003 | PCT/JP02/01303<br>Dt : 15/02/2002 | No. 2001 - 046381 | Japan | Sumitomo Chemical company Limited, Japan | Process for producing titanium - containing silicon oxide catalyst | B 01 J 29/89 |

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| 123 | 01314/CHENP/2003<br>Dt : 21/08/2003 | PCT/EP02/01754<br>Dt : 20/02/2002 | No. 10108226.6 | Germany | BASF Aktiengesellschaft, Germany | Preparation of D - Pantothenic acid and/ or salts as additive to animal feedstuffs | C 12 P 13/02 |
| 124 | 01315/CHENP/2003<br>Dt : 21/08/2003 | PCT/EP02/01766<br>Dt : 20/02/2002 | No. 10108223.1 | Germany | BASF Aktiengesellschaft, Germany | Preparation of D - Pantothenic acid and/ or salts thereof as additive to animal feedstuffs | C 12 P 13/02 |
| 125 | 01316/CHENP/2003<br>Dt : 22/08/2003 | PCT/US02/05226<br>Dt : 20/02/2002 | No. 60/271,100 | United States of America | Merck & CO., INC., USA | N - substituted nonaryl - heterocyclic NMDA/ NR2B antagonists | C 07 D 401/12 |
| 126 | 01317/CHENP/2003<br>Dt : 22/08/2003 | PCT/FR02/00419<br>Dt : 04/02/2002 | No. 01/02582 | France | Technip france, France | Ethane recovery process operating a refrigeration cycle using a mixture of at least two refrigerants, gases obtained by this process and operating plant | C 07 C 9/06 |
| 127 | 01318/CHENP/2003<br>Dt : 22/08/2003 | PCT/EP02/00903<br>Dt : 29/01/2002 | No. 01810128.7 | Switzerland | Ciba Speciality Chemicals Holding Inc., Switzerland | Phthalimidyl azo dyes, process for the preparation thereof and the use thereof | C 09 B 29/036 |
| 128 | 01319/CHENP/2003<br>Dt : 22/08/2003 | PCT/GB01/05448<br>Dt : 10/12/2001 | No. 0102366.2 | United Kingdom | Media logic systems ltd., United Kingdom | Improved interactive system for enabling TV shopping | H 04 N 7/173 |
| 129 | 01320/CHENP/2003<br>Dt : 22/08/2003 | PCT/FR02/00686<br>Dt : 25/02/2002 | No. 01/02574 | France | Cebal S.A.S., France | Method for producing plastic assembly parts | B 29 C 43/18 |

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| 130 | 01321/CHENP/2003<br>Dt : 22/08/2003 | PCT/IB02/04481<br>Dt : 29/10/2002 | No. 2001/8961 | South Africa | CSIR, South Africa | Orbital implant | A 61 B |
| 131 | 01322/CHENP/2003<br>Dt : 22/08/2003 | PCT/US02/01200<br>Dt : 03/01/2002 | No. 09/788, 877 | United States of America | G & W Electric Company, USA | Universal power connector for joining flexible cable to rigid devices in any of many configurations | H 01 R 13/53 |
| 132 | 01323/CHENP/2003<br>Dt : 22/08/2003 | PCT/EP02/00728<br>Dt : 24/01/2002 | No. 60/264, 930 | Switzerland | Ciba Speciality Chemicals Holding Inc., Switzerland | 2, 9 - Dichloroquinacridone pigment | C 09 B 67/52 |
| 133 | 01324/CHENP/2003<br>Dt : 22/08/2003 | PCT/US02/06514<br>Dt : 28/02/2002 | No. 09/794, 437 | United States of America | Dayco Products, LLC., USA | Belt tensioner for a power transmission belt | F 16 H 7/12 |
| 134 | 01325/CHENP/2003<br>Dt : 22/08/2003 | PCT/JP02/01778<br>Dt : 27/02/2002 | Nos. 2001 - 057037; 2001 - 243530; 2001 - 395022 | Japan | Shionogi & Co., Ltd., Japan | Nitrogen - containing heteroaryl compounds having inhibitory activity against HIV integrase | C 07 D 215/28 |
| 135 | 01326/CHENP/2003<br>Dt : 22/08/2003 | PCT/CH02/00105<br>Dt : 22/02/2002 | No. 326/01 | Switzerland | Maschinenfabrik rieter AG, Swtzerland | Clip for clothing strips | D 01 G 15/92 |
| 136 | 01327/CHENP/2003<br>Dt : 25/08/2003 | PCT/BR02/00011<br>Dt : 18/01/2001 | No. PI 0100419 - 0 | Brazil | Mr. De Lima, Joao Nadir Franco, Brazil | Process for the preparation of rice hulls impregnated with oil, fat, or grease useful as fillers for resins | - |
| 137 | 01328/CHENP/2003<br>Dt : 25/08/2003 | PCT/EP02/01814<br>Dt : 21/02/2002 | No. 101 09 553.8 | Germany | Aloys wobben, Germany | Atmospheric density - dependent power adjustment for wind | F 03 D 7/02 |

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| | | | | | | turbines | |
| 138 | 01329/CHENP/2003<br>Dt : 25/08/2003 | PCT/EP02/02049<br>Dt : 26/02/2002 | Nos. 0104840.4; 60/339, 040 | Switzerland | Novartis AG, Switzerland | Combination comprising a signal transduction inhibitor and an epothilone derivative | A 61 K 31/505 |
| 139 | 01330/CHENP/2003<br>Dt : 25/08/2003 | PCT/EP02/01963<br>Dt : 25/02/2002 | No. 2001 0348/01 | Switzerland | Syngenta participations AG, Switzerland | Herbicidal composition | A 01 N 43/40 |
| 140 | 01331/CHENP/2003<br>Dt : 25/08/2003 | PCT/EP02/02044<br>Dt : 26/02/2002 | No. 0373/01 | Switzerland | Syngenta participations AG, Switzerland | Salts of avermectins substituted in the 4" - position and having pesticidal properties | C 07 H 19/01 |
| 141 | 01332/CHENP/2003<br>Dt : 25/08/2003 | PCT/US02/06153<br>Dt : 26/02/2002 | No. 09/794, 540 | United States of America | Thermal Dynamics Corporation, USA | Contact start plasma torch | B 23 K 10/00 |
| 142 | 01333/CHENP/2003<br>Dt : 25/08/2003 | PCT/EP02/02036<br>Dt : 26/02/2002 | No. 01104423.7 | Germany | Gesellschaft Fuer Biotechnologische Forschung mbH (GBF), Germany | Interferon regulatory factor - 1/ human estrogen receptor fusion protein and its use for treating carcinomas | C 07 K 14/47 |
| 143 | 01334/CHENP/2003<br>Dt : 25/08/2003 | PCT/FR02/00692<br>Dt : 28/02/2001 | No. 01/02723 | France | Aluminium Pechiney, France | Method for regulating an electrolytic cell | C 25 C 3/20 |
| 144 | 01335/CHENP/2003<br>Dt : 25/08/2003 | PCT/FR02/00705<br>Dt : 27/02/2002 | No. 01/02722 | France | Aluminium Pechiney, France | Electrolytic cell regulation method | C 25 C 3/20 |
| 145 | 01336/CHENP/2003<br>Dt : 25/08/2003 | PCT/EP02/03079<br>Dt : 18/03/2002 | No. 01201062.5 | Netherlands | Solvay pharmaceuticals B.V., Netherlands | 4, 5 - dihydro - 1HY - pyrazole derivatives having CB1 - antagonistic activity | C 07 D 231/06 |

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|---|---|---|---|---|---|---|---|
| 146 | 01337/CHENP/2003<br>Dt : 25/08/2003 | -<br>Dt : 01/01/1900 | | India | M/S. Hetero Drugs Limited, (R & D), Plot No. B - 80 & 81, A.P.I.E.,Balanagar, Hyderabad - 500018 | Amorphous duloxetine hydrochloride | |
| 147 | 01338/CHENP/2003<br>Dt : 26/08/2003 | PCT/EP02/01975<br>Dt : 25/02/2002 | No. 01104757.8 | Switzerland | Methanol Casale S.A., Switzerland | Method for carrying out chemical reactions in pseudo - isothermal conditions | B 01 J 8/02 |
| 148 | 01339/CHENP/2003<br>Dt : 26/08/2003 | PCT/EP02/00010<br>Dt : 03/01/2002 | No. 101 04 301.5 | Germany | Focke & Co. (GmbH & Co.), Germany | Cigarette packaging, method and device for the production thereof | B 65 D 85/10 |
| 149 | 01340/CHENP/2003<br>Dt : 26/08/2003 | PCT/EP02/02043<br>Dt : 26/02/2002 | No. 374/01 | Switzerland | Syngenta participations AG, Switzerland | Avermectins substituted in the 4 - position having pesticidal properties | C 07 H 19/00 |
| 150 | 01341/CHENP/2003<br>Dt : 26/08/2003 | PCT/FI02/00120<br>Dt : 15/02/2002 | No. 09/792, 039 | Finland | Ahlstrom Glassfibre Oy , Finland | Method and apparatus for foam casting using three - dimentional molds | D 04 H |
| 151 | 01342/CHENP/2003<br>Dt : 26/08/2003 | PCT/US02/05724<br>Dt : 25/02/2002 | Nos. 60/272, 258; 60/300, 118 | United States of America | Merck & CO., INC., USA | Acylated piperidine derivatives as melanocortin - 4 receptor agonists | C 07 D |
| 152 | 01343/CHENP/2003<br>Dt : 26/08/2003 | PCT/EP02/02311<br>Dt : 04/03/2002 | No. 01830149.9 | Netherlands | Orthofix International B.V., Netherlands | External fixation device for reducing bone fractures | A 61 B 17/64 |

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| 153 | 01344/CHENP/2003<br>Dt : 26/08/2003 | PCT/US02/06030<br>Dt : 26/02/2002 | Nos. 60/272, 123; 09/853, 332 | United States of America | Qualcomm Incorporated , USA | Interleaver for turbo decoder | H 03 M 13/00 |
| 154 | 01345/CHENP/2003<br>Dt : 26/08/2003 | PCT/US02/06029<br>Dt : 26/02/2002 | Nos. 60/271, 789; 09/867, 363; 09/881, 868 | United States of America | Qualcomm Incorporated , USA | Power management for subscriber identity module | H 04 Q 7/32 |
| 155 | 01346/CHENP/2003<br>Dt : 26/08/2003 | pct/dk02/00128<br>Dt : 26/02/2002 | Nos. PA 2001 00323; PA 2001 00333 | Denmark | Maxygen APS, Denmark | New interferon beta - like molecules | C 07 k 14/565K |
| 156 | 01347/CHENP/2003<br>Dt : 27/08/2003 | -<br>Dt : 01/01/1900 | | India | M/S. Hetero Drugs Limited, (R & D), Plot No. B - 80 & 81, A.P.I.E.,Balanagar, Hyderabad - 500018 | A novel process for amorphous rosuvastatin calcium | - |
| 157 | 01348/CHENP/2003<br>Dt : 27/08/2003 | PCT/JP02/09142<br>Dt : 09/09/2002 | No. 2001 - 273202 | Japan | Sumitomo Chemical company Limited, Japan | Process for producing allyl sulfone derivative and intermediate for producing the same | C 07 C 403/22 |
| 158 | 01349/CHENP/2003<br>Dt : 27/08/2003 | PCT/JP02/12514<br>Dt : 29/11/2002 | No. 2001 - 366468 | Japan | Nippon Shokubai Co., Ltd., Japan | Optically active mandelic acids and a method of crystallizing the same | C 07 C 51/43 |
| 159 | 01350/CHENP/2003<br>Dt : 27/08/2003 | PCT/IL02/00151<br>Dt : 26/02/2002 | No. 60/271, 652 | United States of America | MILOW LTD, USA & GIDEON ROSENBERG, Israel | Disc type air filters | B 03 C 3/47 |

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| 160 | 01351/CHENP/2003<br>Dt : 27/08/2003 | PCT/US02/02681<br>Dt : 30/01/2002 | No. 09/774, 956 | United States of America | Micro Motion , Inc., USA | Fluid delivery system | B 67 D |
| 161 | 01352/CHENP/2003<br>Dt : 27/08/2003 | PCT/EP02/02118<br>Dt : 28/02/2002 | No. 101 10 323.9 | Germany | SMS Demag AG, Germany | Method for systematically adjusting the surface structure of rolling stock during cold rerolling temper rolling mills | B 21 D |
| 162 | 01353/CHENP/2003<br>Dt : 27/08/2003 | PCT/EP02/14111<br>Dt : 10/12/2002 | No. 01204842.7 | Italy | Basell Poliolefine Italia S.p.A., Italy | Process for the polymerization of olefins | C 08 F 10/00 |
| 163 | 01354/CHENP/2003<br>Dt : 28/08/2003 | PCT/US02/06452<br>Dt : 01/03/2002 | No. 60/273, 124 | United States of America | ICOS Corporation, USA | Aryl and heteroaryl urea CHK 1 inhibitors for use as radiosensitizers and chemosensitizers | C 07 D 241/20 |
| 164 | 01355/CHENP/2003<br>Dt : 28/08/2003 | PCT/EP02/02549<br>Dt : 08/03/2002 | No. 01200979.1 | Germany | Teijin Twaron GMBH, Germany | Penetration - resistant material | F 41 H 5/04 |
| 165 | 01356/CHENP/2003<br>Dt : 28/08/2003 | PCT/JP02/00835<br>Dt : 01/02/2002 | Nos. 2001 - 26316; 2001 - 331480 | Japan | Mitsubishi Chemical Corporation ,Tokyo, Japan & Nissan Chemical Industries Ltd., Japan | Process for producing (3R, 5S) - (E) - 7 -[2 Cyclopropyl - 4 - ( 4 - Fluorophenyl) - quinolon - 3 - Yl] - 3, 5 - Dihydroxyhept - 6 - enic acid esters | C 12 P 17/12 |
| 166 | 01357/CHENP/2003<br>Dt : 28/08/2003 | PCT/SE02/00372<br>Dt : 05/03/2002 | No. 0100737 - 6 | Sweden | Uddeholm Tooling Aktiebolag, Sweden | Steel article | PCT/SE02/00372 |

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| 167 | 01358/CHENP/2003<br>Dt : 28/08/2003 | PCT/IB02/00745<br>Dt : 06/03/2002 | No. 0428/01 | British Virgin Islands | Clariant Finance (BVI) Limited, British Virgin Islands | Condensation products of hydroxycarboxylic acids and glycols or glycerol useful as an acid donor | C 07 C 69/68 |
| 168 | 01359/CHENP/2003<br>Dt : 29/08/2003 | PCT/NL02/00125<br>Dt : 27/02/2002 | No. 1017471 | Netherlands | DSM IP Assets B.V., Netherlands | Process for recovering and purifying caprolactam from an organic solvent | C 07 D 201/16 |
| 169 | 01360/CHENP/2003<br>Dt : 29/08/2003 | PCT/EP02/00822<br>Dt : 26/01/2002 | No. 101 06 348.2 | Germany | BASF Aktiengesellschaft, Germany | Compound suitable as a catalyst or for the preparation of a catalyst system | B 01 J 31/00 |
| 170 | 01361/CHENP/2003<br>Dt : 29/08/2003 | PCT/EP02/01728<br>Dt : 19/02/2002 | No. 101 10 391.3 | Germany | LTS Lohmann Therapie Systeme AG, Germany | Highly flexible transdermal therapeutic system having nicotine as active substance | A 61 K 9/70 |
| 171 | 01362/CHENP/2003<br>Dt : 29/08/2003 | PCT/JP02/02091<br>Dt : 06/03/2002 | No. 2001 - 062704 | United States of America | The Dow Chemical Company, USA | Plant cell having animal - type sugar chain adding functions | C 12 N 5/00 |
| 172 | 01363/CHENP/2003<br>Dt : 29/08/2003 | PCT/US02/05153<br>Dt : 18/02/2002 | Nos. 2001 - 61823; 2001 - 366100 | United States of America | 3M innovative properties company, USA | Reflector with wide observation angle | G 02 B 5/126 |
| 173 | 01364/CHENP/2003<br>Dt : 29/08/2003 | PCT/US02/22507<br>Dt : 12/02/2002 | No. 09/781, 842 | United States of America | Dober Chemical Corporation, USA | Controlled release cooling additive compositions | B 01 J 13/02 |

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| 174 | 01365/CHENP/2003<br>Dt : 29/08/2003 | PCT/EP02/02326<br>Dt : 04/03/2002 | No. 011105138.0 | Switzerland | Societe des produits nestle S.A., Switzerland | Lactic acid bacteria as agents for treating and preventing allergy | C 12 N 1/20 |
| 175 | 01366/CHENP/2003<br>Dt : 29/08/2003 | PCT/JP02/08595<br>Dt : 27/08/2002 | Nos. 2001-258389; 2001 - 336895 | Japan | The Yokohama rubber co., Ltd., Tokyo | Method and apparatus for curing tires | B 29 C 33/04 |
| 176 | 01367/CHENP/2003<br>Dt : 29/08/2003 | PCT/US02/05405<br>Dt : 22/02/2002 | No. 09/798, 198 | United States of America | Qualcomm Incorporated, USA | Mixed analog and digital integrated circuits | H 01 L 25/18 |
| 177 | 01368/CHENP/2003<br>Dt : 29/08/2003 | PCT/US02/06033<br>Dt : 26/02/2002 | No. 09/798, 361 | United States of America | Qualcomm Incorporated, USA | Apparatus and method for building a playlist | H 04 N 7/173 |

## ALTERATION OF DATE UNDER SECTION 16

194532 (947/MAS/2001) ANTEDATED TO 22.02.2001.

194560 (946/MAS/2001) ANTEDATED TO 22.02.2001.

## अभिगृहित पूर्ण विनिर्देश

एतद्द्वारा सूचना दी जाती है कि आवेदनों में किसी पर पेटेंट अनुदान का विरोध करने वाले इच्छुक व्यक्ति राजपत्र के इस निर्गमन की तिथि से चार महीने के भीतर या उक्त चार महीने की समाप्ति के पूर्व, प्ररूप 4 में यदि आवेदित किया हुआ हो, तो परवर्ती एक महीने के भीतर, किसी समय, नियंत्रक, पेटेंट को ऐसे विरोध की सूचना प्ररूप 7 में उपयुक्त कार्यालय में दे सकते हैं। विरोध का लिखित कथन साक्ष्य के साथ, यदि कोई हो, दो प्रतियों में उक्त सूचना के साथ या अगले दो महीने की अवधि के भीतर दाखिल किया जाए। इस संदर्भ में, यथा संशोधित पेटेंट अधिनियम, 1970 की धारा 25 एवं पेटेंट नियम, 2003 के नियम 55 से 57 का अवलोकन किया जा सकता है।

उपयुक्त कार्यालय द्वारा विनिर्देश एवं चित्र आरेख, यदि हो, के छायाप्रति की आपूर्ति छायाप्रति शुल्क के रूप में प्रति पृष्ठ रु. 4/- की अदायगी पर की जा सकती है।

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a Patent on any of the Applications, may, at any time within four months from the date of this issue of Gazette or within further period of one month if applied for in Form 4 before the expiry of the said period of four months, give notice to the Controller of Patents at the Appropriate Office on Form 7 of such opposition. The Written Statement of Opposition accompanied by evidence, if any, should be filed in duplicate along with the said notice or within further period of two months. Section 25 of The Patents Act, 1970 as amended and Rules 55 to 57 of The Patents Rules, 2003 may be referred to in this regard.

Photo copies of the specification and drawings, if any, can be supplied by the Appropriate Office on payment of photocopying charges @ Rs. 4/- per page.

Int. Cl[7] : B22F 1/00; C22C 33/02

194441

Ind. Cl. : 9D

Title : A PROCESS FOR MANUFACTURE OF STAINLESS STEEL ALLOY

Applicant : SANDVIK AB, S-811 81 SANDVIKEN, SWEDEN

Inventor : BERGLUND, ROGER SKYTTERGATAN

Application no 212/CAL./2002 FILED ON 12.4.2002

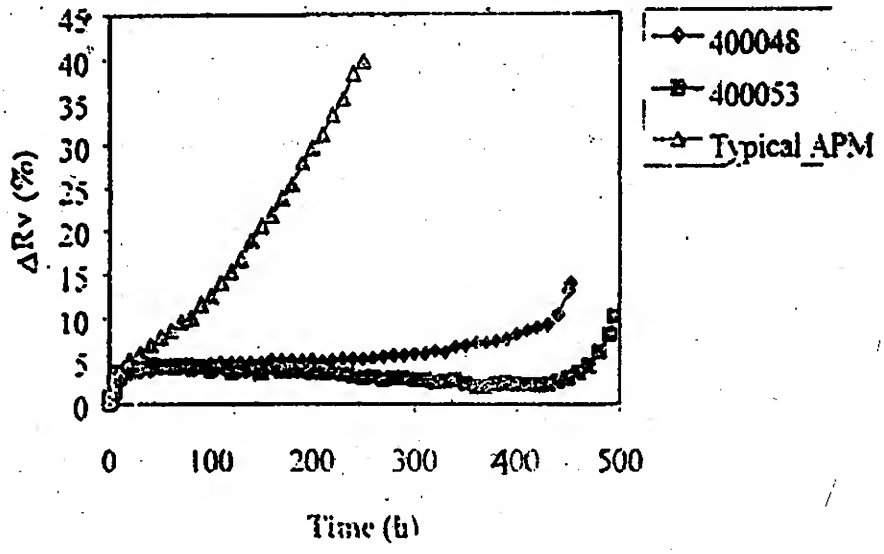
(CONVENTION NO. 0003139.3 FILED ON 4.9.2000 IN SWEDEN.)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

## 6CLAIMS.

A process for manufacture of stainless steel alloy being a powder metallurgical FeCrAl alloy,adapted for use as electrical heating element in industrial and other heating applications, said process comprising combining (by weight) less than 0.02% carbon, ≤ 0.5% Silicon, ≤ 0.2% manganese, 10.0-40.0%chromium, ≤ 0.6% nickel, ≤ 0.01%copper, 2.0-10.0% aluminium, one or more of a group of other reactive elements such as Sc, Y, La, Ce, Ti, Zr, Hf, Nb, Ta 0.1-1.0 , remainder iron unavoidable impurities and forming an alloy by a conventional powder metallurgical technique.

Fig 1




*Complete Specification : 11 pages.* *Drawing :2 sheets*

Int. Cl[7] : H04B 1/40
Ind. Cl : 206E

194442

Title : A CIRCUIT AND METHOD FOR CONTROLLING THE POWER USED BY A PORTABLE RADIOTELEPHONE.

Applicant : SAMSUNG ELECTRONICS CO. LTD OF 416, MAETAN-DONG PALDAL-GU, SUWON-CITY, KYUNGKI-DO, KOREA.

Inventor : 1. JONG-OK CHUN
2. MOON-KI HUH

Application no 2348/CAL/1997 FILED ON 11.12.1997
(CONVENTION NO. 64385/96 ; 64868/96 AND 33501/97 FILED ON 11.12.196 ; 12.12.1996 AND ON 18.7.97 IN KOREA.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

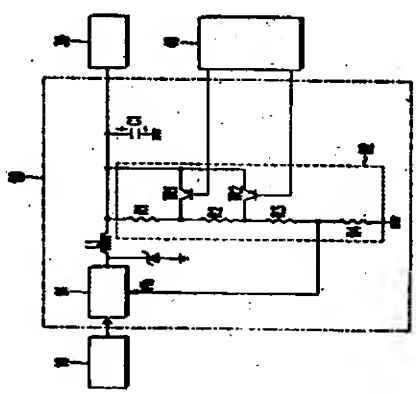
## 21CLAIMS.

A circuit for controlling power associated with a power amplifier in a portable radiotelephone having a first communication mode and a second communication mode, the circuit comprising:

means for supplying power to said circuit;

a power supply controller, responsive to said power supplying means and operatively coupled to said power amplifier, for adjusting said power supplied from said power supplying means and delivering said adjusted power to said power amplifier; and

a control unit, operatively coupled to said power supply controller, outputting one of a plurality of control signals for controlling voltage levels provided by said power supply controller, each of said power control signals corresponding to one of said first communication mode, said second communication mode, a strong electric field, and a weak electric field.



***Complete Specification : 34 pages.*** ***Drawing :6 sheets***

Int. Cl[7] : A01K 89/027

194443

Ind. Cl. : 82

Title : FISHING REEL

Applicant : OKUMA FISHING TACKLE CO. LTD OF 132, FU-I ROAD TAIPING , TAIWAN, REPUBLIC OF CHINA

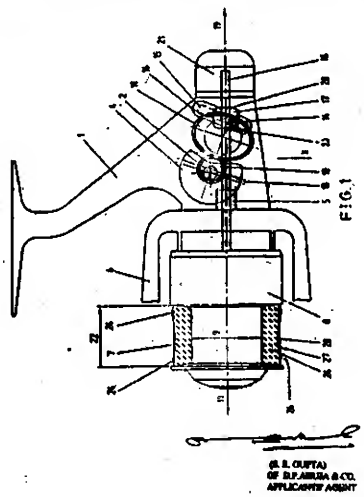
Inventor : 1. GERHARD GRUBER
2. WALLER BAUMGARTNER

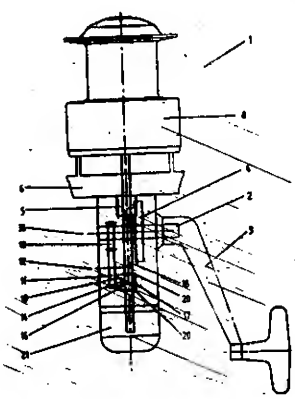
Application no 339/CAL/2003 FILED ON 17/06/2003
(CONVENTION NO. DE10246242.9 FILED ON 02.10.2002 IN GERMANY.)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003). PATENT OFFICE KOLKATA.*

**17CLAIMS.**

A fishing reel, comprising
a spool for retaining a therein;
a transmission assembly for driving the spool reciprocated along an elongated axis and
a crank for driving the transmission assembly to wind the line on the spool;
characterised in that the transmission assembly has an elliptical wheel.





***Complete Specification : 14 pages.*** ***Drawing :6sheets***

Int. Cl[7] : F16H 57/04

194444

Ind. Cl. : 134B

Title : AN IMPROVED THRUST WASHER FOR TRAMITTING AXIAL THRUST TO A CHANGE GEAR TRANMISSION MAINSHAFT

Applicant : EATON CORPORATION OF 1111, SUPERIOR AVENUE, CLEVELAND, OHIO 44114-2584, USA

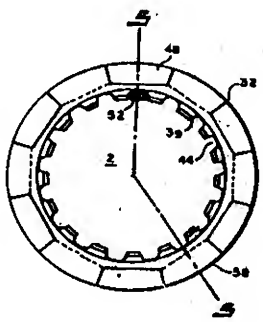
Inventor : ROBERT B. CRAFT

Application no 2039/CAL/1997 FILED ON 28.10.1997
(CONVENTION NO. 08/730,950 FILED ON 12.11.1996 IN USA)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**4CLAIMS.**

An improved thrust washer (320 for transmitting axial thrust to a change gear transmission mainshaft from a floating mainshaft gear being clutchingly engaged therewith, said change gear transmission of the type having a main shaft (2) journaled for rotation about a central rotational axis and having a plurality of splines (44) extending axially along the outer surface thereof in substantially equally circumferentially spaced relationship to each other, at least two floating mainshaft gears (12, 18) encircling the mainshaft in axially spaced apart relationship to each other and having respective thrust surfaces ( 47, 49) facing towards each other in substantial transverse relationship to the mainshaft central rotational axis, clutch means (20, 22) selectively operably to clutchingly engage the mainshaft gears to the mainshaft one at a time, a transverse annular groove (38) disposed in the mainshaft between the mainshaft gear thrust surfaces, said thrust washer (32) disposed in the groove and extending therefrom radially outwardly between the mainshaft gear thrust surfaces and operative to transmit axial thrust to the mainshaft imparted to the mainshaft gears by the clutch means, characterized in that said thrust washer (32) comprising at least one depression ( 48, 58) disposed on at least one side thereof facing towards one of the mainshaft gear thrust surfaces and operative to enable lubricant (9) to move radially outwardly from between the mainshaft gear thrust surface and the thrust washer so as to diminish accumulation of lubricant therebetween.



*Complete Specification :9 pages.* *Drawing : 3 sheets*

Int. Cl[7] : E05B 19/26

194445

Ind. Cl : 187 A

Title : HARD BASE KEY UNIT AND METHOD OF MANUFACTURE THEREOF.

Applicant : SUNARROW LTD. OF 6-1 HACCHOHBORI 2-CHOME, CHUO -KU TOKYO 104-0032 , JAPAN

Inventor : AKIRA TAKAGI

Application no 465/CAL/2002 FILED ON 02.08.2002
(CONVENTION NO. 2001-378152 FILED ON 12.12.01 IN JAPAN.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

## 7CLAIMS.

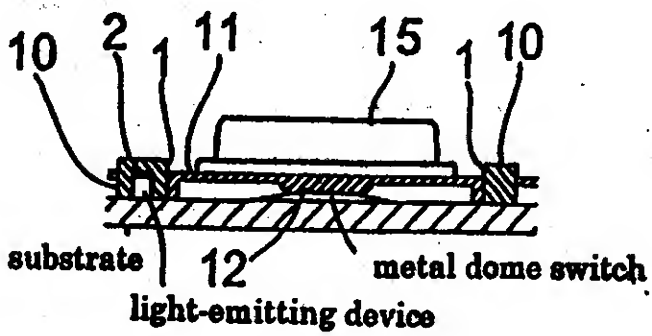
A hard base key unit comprising:

a hard base 10 made of a hard resin plate, and having a through hole 1 on a plane thereof;

a key pad 11 made of a rubber-like elastic body film 13,14 to cover the through hole 1;

a switch thrusting projection 12 formed integrally with the key pad 11 on a surface of the key pad 11 facing an inside of the through hole 1; and

a key top 15 made of a hard resin in a position corresponding to the switch thrusting projection 12 on the other surface of the key pad 11.




*Complete Specification : 12 pages.* *Drawing : 5 sheets*

Int. Cl[7] : H04B 7/00

194446

Ind. Cl. : 206 E

Title : A RADIO EQUIPMENT AND A BASE STATION SYSTEM

Applicant : SIEMENS AKTIENGESELLSCHAFT OF WITTELSBACHERPLATZ 2,80333, MUENCHEN, GERMANY.

Inventor : 1. JOERG SASSE.
2. PETER NEUMANN.

Application no 345/CAL/1999 FILED ON 16.4.1999
(CONVENTION NO. 19819212.6 FILED ON 29.4.1998 IN GERMANY.)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

## 8CLAIMS.

A radio equipment (FB) comprising means (MMI, VE, STE, SPE, SVE, HF, ANT) for communicating via a mobile radio system offering a plurality of services, and for performing a function selected from the group consisting of different service features (LM) and using different services (D);

- said means (SPE) for storing information selected from the group consisting of information regarding mobile radio systems and information regarding service features supported by the mobile radio systems;

characterized in that,

- said means (STE) is configured for automatically selectively blocking at least one service feature in dependence on the mobile radio system in which the radio equipment is currently registered and in dependence on the information stored in the radio equipment regarding the mobile radio system in which the radio equipment is currently registered.

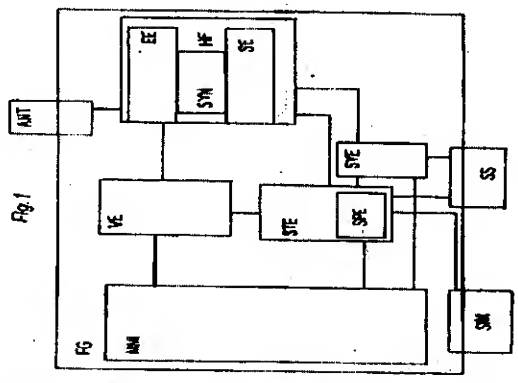



Fig. 1

*Complete Specification :13 pages.* *Drawing : 3 sheets*

| | | | |
|---|---|---|---|
| Int. Cl[7] | : | H04L 27/00 | 194447 |
| Ind. Cl. | : | 187 H | |
| Title | : | DIGITAL COMMUNICATION SYSTEM, TRANSMITTER, AND DATA SELECTING APPARATUS | |
| Applicant | : | MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD, OF 1006, OAZA, KADOMA, KADOMA-SHI, OSAKA, 571-8501, JAPAN | |
| Inventor | : | MIZOBATA NORIHIKO | |

Application no 529/CAL/1998 FILED ON 27.3.1998
(CONVENTION NO. 9-082526 FILED ON 1.4.1997 IN JAPAN.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**16CLAIMS.**

A digital communication system comprising:

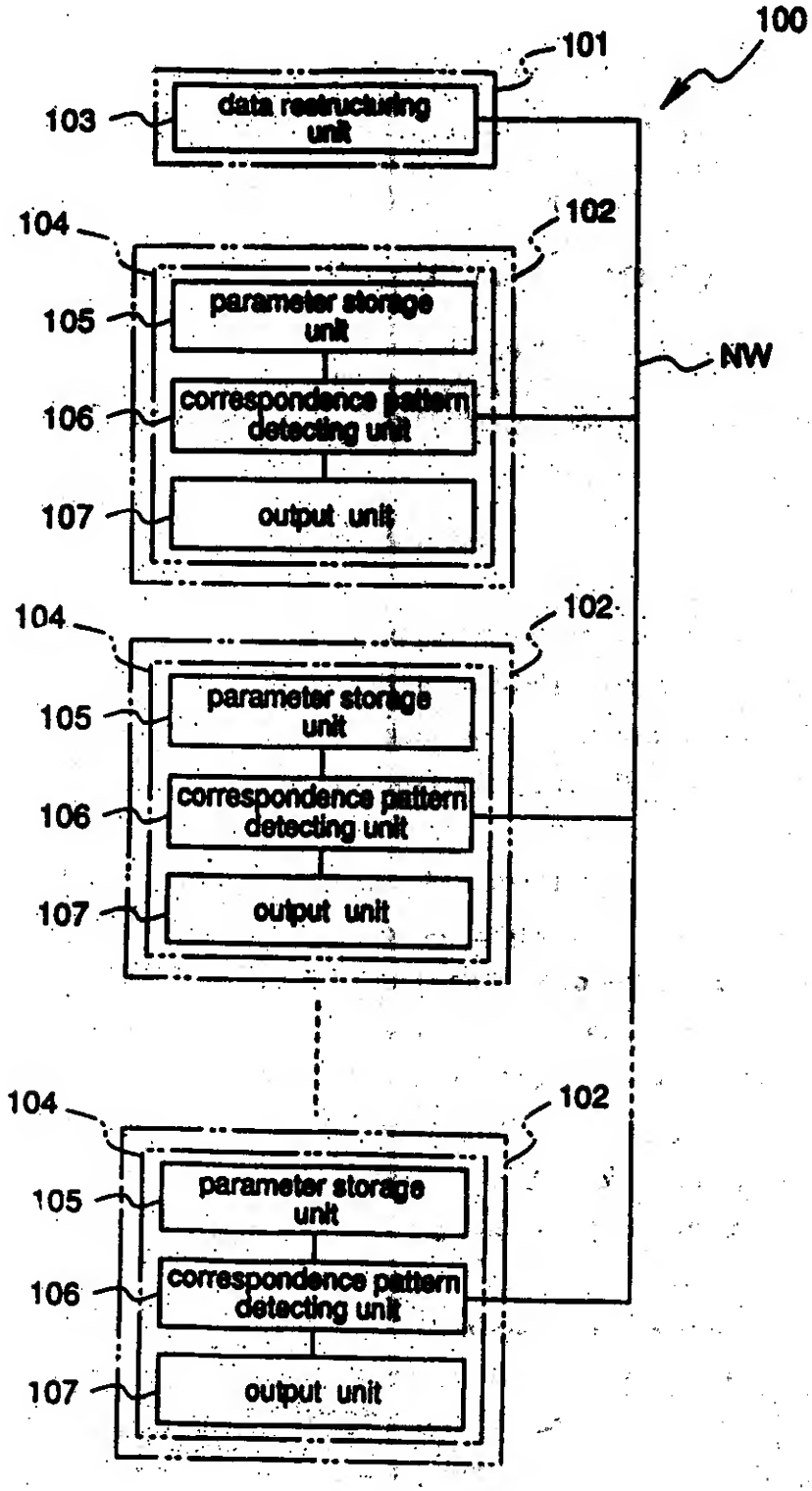
A transmitter for sequentially transmitting predetermined format data; and

A plurality of receivers each including a data selecting apparatus for selecting required data from received data group and outputting selected data, wherein

said transmitter transmits data to said receivers in one of a first transmission mode in which group destination assignment information indicating whether the data is transmitted to a specified receiver of said plurality of receivers, to a group consisting of specified plural receivers, or to all receivers, group specifying information for specifying a receiving group of receiving groups to which the data is to be transmitted, and in-group identification information for identifying a receiver to which the data is to be transmitted, in a receiving group which is specified by the group specifying information, are included in the data, and the group destination assignment information in said first transmission mode indicates that the data is transmitted to a specified receiver of said plurality of receivers,

a second transmission mode in which the group destination assignment information and the group specifying information are included in the data, and the group destination assignment information in said second transmission mode indicates that the data is transmitted to a group consisting of specified plural receivers, and

a third transmission mode in which the group destination assignment information is included in the data, and the group destination assignment information in said third transmission mode indicates that the data is transmitted to all receivers.




*Complete Specification : 45 pages.* *Drawing : 5 sheets*

| | | | |
|---|---|---|---|
| International Classification[7] | : | C 23C14/4 | 194448 |
| Indian Classification | : | 40F | |
| Title | : | 'TOOL WITH TOOL BODY AND PROTECTIVE LAYER SYSTEM." | |
| Applicant | : | BALZERS AKTIENGESELLSCHAFT, OF FL-9496 BALZERS, FUERSTENTIUM, LIECHTENSTEIN | |
| Inventors | : | 1. HANS BRANDLE.<br>2. NOBUHIKO, SHIME | |
| Application No. | : | 1935/Cal/1997 filed on 16.10.1997. | |

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 2003) Patent Office, Kolkata.

(11 Claims)

A tool with a body and a wear resistant layer system, said layer system comprising at least one layer of MeX, wherein

— Me comprises titanium and aluminnm:

— X is at least one of nitrogen and of carbon

and wherein said layer has a $Q_1$ value.

wherein $Q1 \geq 1;$

$$Q_1 = \frac{1(200)}{1(111)}$$

and said tool body is of one of the materials

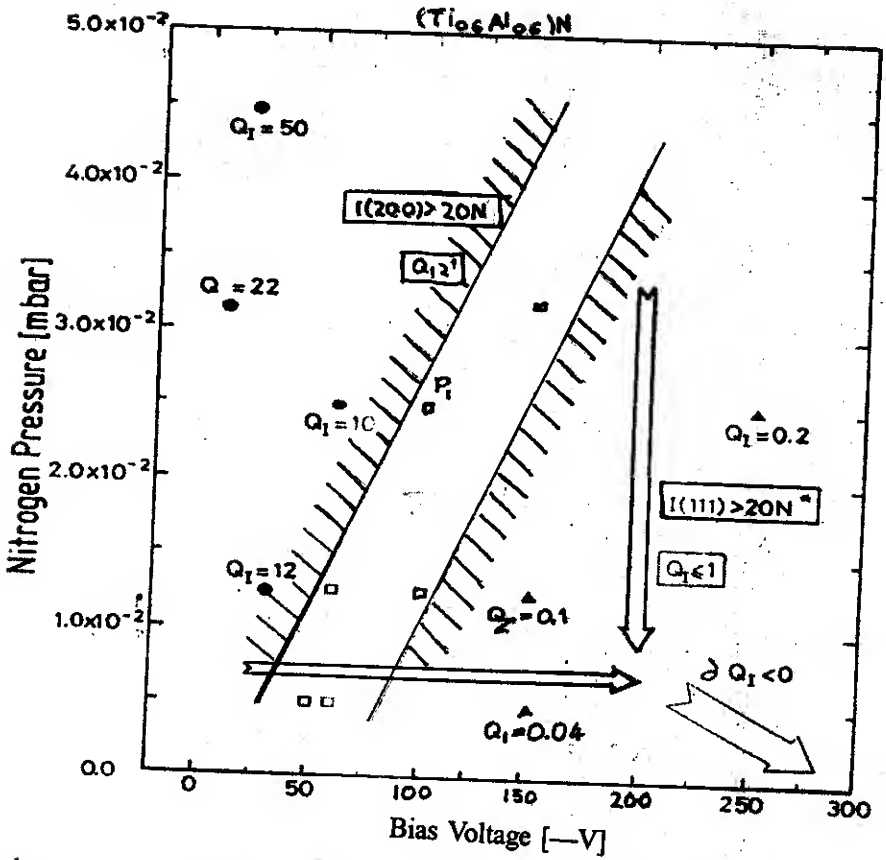
— high speed steel (HSS);

— cemented carbide,

and wherein said tool is not a solid carbide end mill and not a solid carbide ball nose mill.

— whereby the value of 1(200) is at least 20 times the intensity average noise value, both measured with following equipment and

| Siemens Diffractometer D 500 | |
|---|---|
| Power | Operating voltage: 30 kV |
| | Operating current : 25 mA |
| Aperture | Diaphragm position 1: 1° |
| Diaphragms | Diaphragm position 11 : 0.1° |
| Detector | Soller slit |
| Diaphragm | |
| Time constant | 4s |
| 20 angular speed | 0.05°/min |
| Radiation | Cu-Kα (0).15406 nm) |




*Complete Specification : 31 pages.* *Drawing : 8 sheets*

Int. Cl[7] : F24J 2/02

194449

Ind. Cl. : 98 I

Title : SOLAR CONCENTRATOR

Applicant : GEORGE D. RATLIFF, JR. OF 2314, FOREST DRIVE, PITTSBURGH, PENNSYLVANIA 15235, USA

Inventor : GEORGE D. RATLIFF, JR.

Application no 1739/CAL/1997 3 19.9.1997
(CONVENTION NO. 08/717,716 FILED ON 23.9.1996 IN USA)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

## 16CLAIMS

~~comprising~~

A solar concentrator comprising a plurality of mirrors (12) which focus sunlight on a central receiver (14) comprising in combination:

a) a plurality of frameworks (24), and

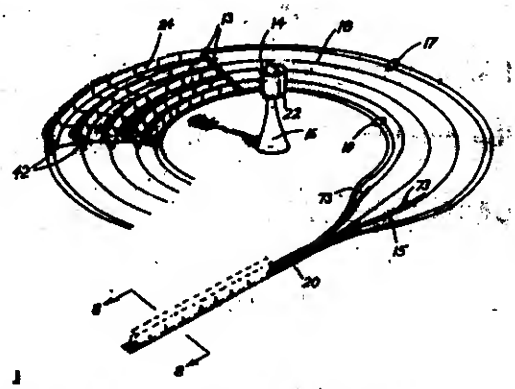
b) a plurality of vehicles (21), (23), (57), and (58) for supporting and moving said frameworks (24), and

c) a latticework (35), (31), and (33) attached to said vehicles whereby the vehicles are kept upright and spaced apart, said latticework comprised of guylines (35) aligned approximately toward the vertical axis of the receiver and struts (31) and (33) aligned approximately circumferentially with respect to the vertical axis of the receiver (14) at the center, and

d) means of fixedly attaching a plurality of said mirrors (12) to each framework (24) whereby sunlight reflected from said plurality of mirrors (12) may be focused on the receiver (14), and

e) means of pivotally attaching said frameworks (24) to said vehicles (21), (23), (57), and (58) whereby the frameworks (24) may pivot about two axes, and

f) means of moving said vehicles (21), (23), and (57), and (58) and pivoting of said frameworks (24) whereby sunlight remains focused on the receiver (14).



***Complete Specification :20 pages.*** ***Drawing :7 sheets***

Int. Cl[7] : B01J 23/10, B01J 23/40, B01J 23/42
Ind. Cl :
Title : A CATALYST MEMBER FOR THE ABATEMENT OF POLLUTANTS.

194450

Applicant : ENGELHARD CORPORATION OF 101, WOOD AVENUE, ISELIN NEW JERSEY 08830-0770, USA

Inventor : 1. JOSEPH HUI-ZHAO WU.
2. CHUNG-ZONG WAN

Application no 337/CAL/1998 FILED ON 2.3.1998
(CONVENTION NO. 08/824,425 FILED ON 26.3.97 IN USA.)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

19CLAIMS.

**A catalyst member for the abatement of pollutants comprising a substrate such as described herein on which is disposed (a) a catalytic material comprising a refractory support material having a catalytically effective amount of a first catalytic metal component such as described herein dispersed thereon, and (b) an oxygen storage component segregated from the first catalytic metal component and comprising an intimately mixed oxide of cerium and praseodymium having an atomic ratio of Pr:Ce in the range of about 2:100 to 100:100 and having from zero up to not more than about 10 percent by weight of a second catalytic metal component such as described herein dispersed thereon, based on the combined weight of the oxygen storage component and the second catalytic metal component dispersed thereon.**

*Complete Specification :23 pages.* *Drawing : 1 sheet*

Int. Cl[7] : F25D 21/06

194451

Ind. Cl. : 50D
Title : ANTI-FROST DEVICE FOR REFRIGERATOR
Applicant : LG ELECTRONICS INC. OF 20,. YOIDO-DONG YOUNGUNGPO-KU, SEOUL, REPUBLIC OF KOREA.

Inventor : LEE MYUNG JU
Application no 861/CAL/1998 FILED ON 13.5.1998
(CONVENTION NO. 97-11256 AND 9721750 FILED ON 20.5.1997 AND ON 8.8.97 IN KOREA.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**5CLAIMS.**

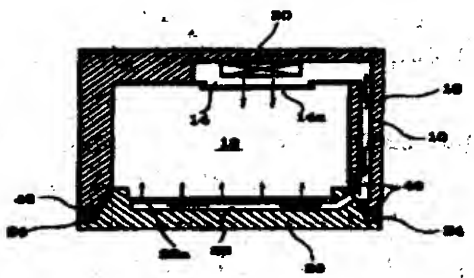
An anti-frost device for refrigerators, comprising:

means for supplying cool air to a storing cavity (12) of said refrigerator;

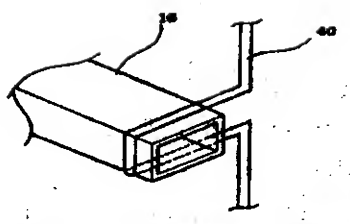
a cool air distribution duct (16) connected to said cool air supplying means and adapted for distributing the cool air from said supplying means to a door of the refrigerator;

a door duct (22) defined in said door and selectively connectible to said distribution duct, for discharging the cool air into said cavity; and

heating means (40) provided around an outlet portion of said distribution duct, for emitting heat to the outlet portion of said distribution duct.



4



*Complete Specification : 14 pages.* *Drawing :3 sheets*

Int. Cl[7] : G09G 3/00

194452

Ind. Cl. : 194 B
Title : BI-DIRECTIONAL SHIFT REGISTER
Applicant : THOMSON MULTIMEDIA S.A. OF 46 QUAI ALPHONSE LE GALLO, 92648 BOULOGNE CEDEX, FRANCE.

Inventor : RUQUIYA ISMAT ARA HUQ
Application no 2278/CAL/1997 FILED ON 03.12.1997
(CONVENTION NO. 08/761,918 FILED ON 09.12.1996 IN USA.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**17CLAIMS.**

1. A bi-directional shift register, comprising:

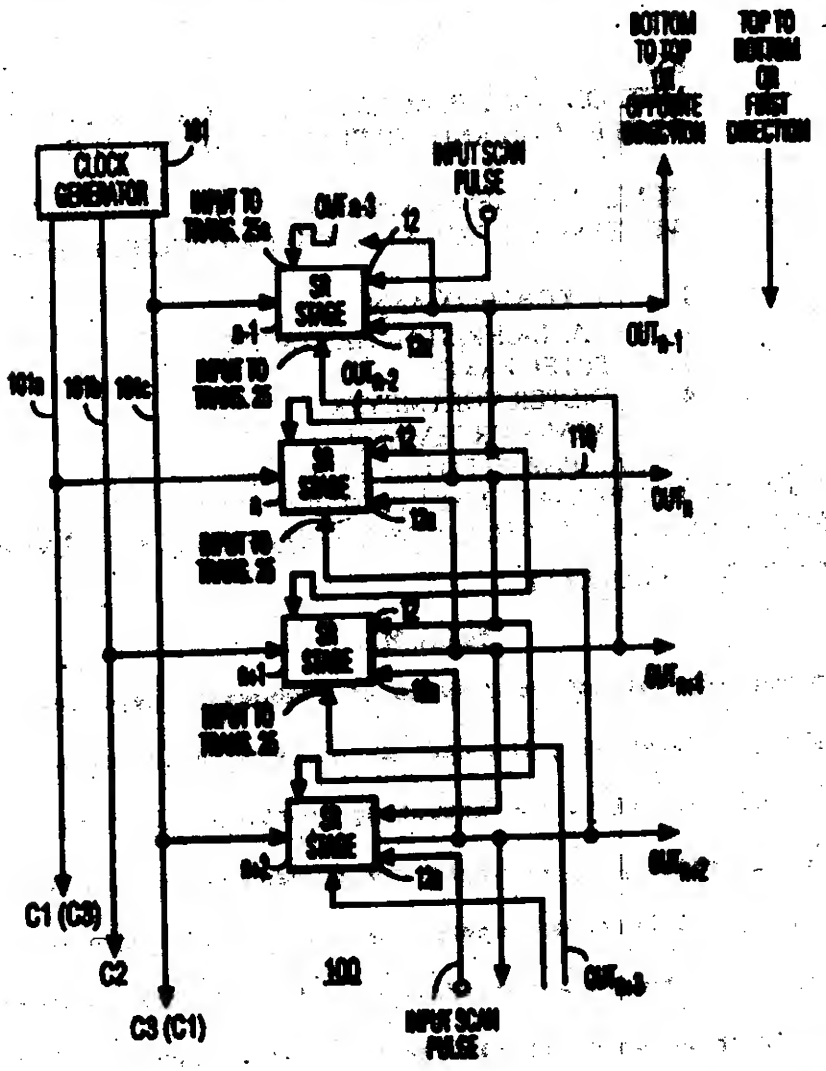
a source (101, Fig. 1) of a plurality of phase shifted clock signals (C1, C2, C3) having a first phase relationship therebetween (Figures 3a-3g), when a first direction of shifting is selected, and having a second phase relationship therebetween (Figures 4a-4b), when an opposite direction of shifting is selected;

a plurality of cascaded stages (n-1,.n+2; Fig. 1) coupled to said source of said clock signals, a given stage (n-Figure 2) of said cascaded stages, comprising

a first output transistor for generating an output pulse (OUTn) at an output (118) of said given stage, when, during a corresponding clock signal (C1) associated with said given stage, said transistor is enabled (gate of 16 is HIGH), such that, when said first output transistor is disabled (Gate OF 16 is low), during said associated clock signal, said first output transistor prevents the generation of said output pulse of said given stage; characterized by:

a first input section (18, 18a) responsive to a corresponding output pulse (OUTn-1, OUTn+1) generated in each one of second (n-1) and third (n+1) stages for enabling said first output transistor when each of said second stage and third stage output pulses occurs, such that when said first phase relationship is selected, said given stage output pulse occurs following said second stage output pulse, and, when said second phase relationship is selected, said given stage output pulse occurs following said third stage output pulse; and

a second input section (25, 25a) responsive to a corresponding output pulse (OUTn+2, OUTn-2) generated in a corresponding stage (n+2, n-2) for disabling said first output transistor after said given stage output pulse has occurred.




*Complete Specification : 19 pages.* *Drawing :3 sheets*

Int. Cl[7] : F02C

194453

Ind. Cl. : 85J

Title : METHOD FOR THE ACTIVE DAMPING OF COMBUSTION OSCILLATION AND COMBUSTION APPARATUS.

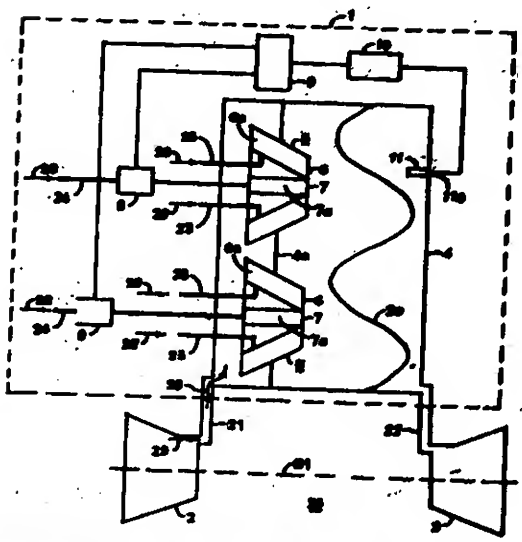
Applicant : SIEMENS AKTIENGESELLSCHAFT OF WITTELSBACHERPLATZ 2,80333, MUENCHEN, GERMANY.

Inventor :
1. JAKOB HERMANN
2. CARL-CHRISTAN HANTSCHK
3. PETER ZANGL
4. DIETER VORTMEYER
5. ARMIN ORTHMANN

Application no 106/CAL/1998 FILED ON 20.01.1998
(CONVENTION NO. 19704540.5 FILED ON 06.02.1997 IN GERMANY.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

## 8CLAIMS.

Method for the active damping of combustion oscillation in a combustion chamber (4), the combustion oscillation being damped by means of at least two actuating members (8) which each influence a regulating variable and a measured variable being determined at atleast one measuring point (11a), characterized in that the actuating members (8) are controlled via a number of measured variables which is smaller than the number of actuating members (8).



*Complete Specification :10 pages.* *Drawing : 1 sheet*

194454

Int. Cl[7] : C19J 1/04
Ind. Cl : 32 (3) (b)
Title : AN IMPROVED PROCESS FOR THE MANUFACTURE OF ACIETIC ACID FROM ETHYL ALCOHOL USING NOVEL PACKING MATERIAL.

Applicant : DR. AMALESH SIRKAR, OF 76/A BONDEL ROAD, CALCUTTA 700 019, WEST BENGAL , INDIA.

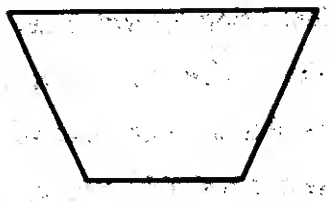
Inventor : DR. AMALESH SIRKAR

Application no 150/CAL/1998 FILED ON 29.01.1998

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**9CLAIMS.**

An improved method for the manufacture of acetic acid by oxidation of ethyl alcohols in the presence of bacteria of the type bacterium- aceta in a counter-current contact in a packed coiumn characterized by the Improved that the counter current contact of liquids and air/Oxygen is carried out using trough shaped packing materials made of conventional high alumina ceramic



*Complete Specification : 9 pages.* *Drawing :1 sheet*

Int. Cl[7] : C06C 7/00 C06B 33/00

194455

Ind. Cl. : 72D, 10B
Title : A DETONATOR HAVING A SHELL WITH A BASE CHARGE COMPRISING SECONDARY EXPLOSIVE
Applicant : NITRO NOBEL AB, OF GYTTORP, S-713 82 NORA SWEDEN

Inventor : DUMENKO VIKTOR
Application no 2151/CAL/1996 FILED ON 13.12.1996
(CONVENTION NO. 9504571-2 FILED ON 20.;12.1995 IN SWEDEN.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**40CLAIMS.**

A detonater having a sheel with base charge comprising secondary explosive at one end thereof, igniting means arranged at the opposite end thereof and an intermediate pyrotechnical train converting an ignition pulse from the igniting means to the base charge to detonate the same, the purotechnical train comprising an ignition charge comprising a metal fuel selected from groups 2, 4 and 13 of the periodic table such as herein described and an oxidant in the form of an oxide of a metal selected from periods 4 and 6 of the periodc table such as herein deacribed , the metal fuel being present in an excess relative to the amount stoichiometrically necessary to reduce the amount of metal oxide oxidant, said ignition charge generating a hot preasurized gas that is able to ignite said secondary explosive of the base change into a convective deflagrating state to realiably detonate the same.

***Complete Specification :32 pagez.*** ***Drawing : NIL***

Int. Cl[7] : B24C 047/06

194456

Ind. Cl. : XII E

Title : A METHOD FOR PREPARING A SLEEVE FOR USE IN SEALING THE EXTERIOR OF JUNCTURE OF COMMUNICATION CABLES.

Applicant : CHUNMA CORPORATION OF 397-6 OKSU-DONG SUNGDONG-GU, SEOUL , KOREA.

Inventor : BONG –IK HWANG

Application no 2131/CAL/1997 FILED ON. 12.11.1997

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**5CLAIMS.**

A method for preparing a sleeve for use in sealing the exterior of the juncture of communication cables, comprising the steps of :

extruding a mixture of a polymer and an appropriate amount of carbon black to a sheet with a predetermined thickness and β-crosslinking the sheet by radiation of 4.13 megarads to form a polymeric sheet (2) ;

elongating the polymer sheet 7-10 folds in the width direction ; and

bonding said sheet (2) on at least one surface of a texture made of polyester alone or in combination with glass fiber through a polymeric adhesive (3) and subjected to thermal extrusion or thermal fusion in known manner to give said sheet a high bursting strength.

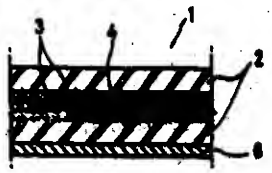
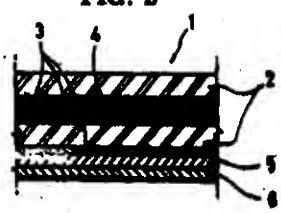



FIG. 2




*Complete Specification : 11 pages.* *Drawing : 1 sheet*

Int. Cl[7] : H01J 65/04

194457

Ind. Cl : 194
Title : FLAT LIGHT EMITTER
Applicant : PATENT-TREUHAND-GESELLSCHAFT FUR ELEKTRISCHE GLUEHLAMPEN MBH, OF HELLABRUNNER STR. 1, 81543, MUENCHE, GERMANY
Inventor : 1. FRANK VOLLKOMMER.
2. LOTHAR HITZSCHKE
3. JENS MUECKE
4. ROLF SIEBAUER
5. SIMON JEREBIC
Application no 458/CAL/1998 FILED ON 19.3.1998
(CONVENTION NO. 19711892.5 FILED ON 21.3.1997 IN GERMANY.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

## 2CLAIMS.

Flat light emitter (4) having an at least partially transparent discharge vessel which is closed (5) and filled with a gas filling or open and flowed through by a gas or gas mixture and consists of electrically non-conducting material, and having elongated electrodes (6,7) arranged on the wall of the discharge vessel (5), cathodes (6) and anodes (7 a) being arranged alternately next to one another, and at least the anodes being separated from the interior of the discharge vessel (5) by a dielectric material (10) such as a glass layer characterized in that in each case one additional anode (7b) is arranged between neighbouring cathodes (6), that is to say in each case one anode pair (7a, 7b) is arranged between the neighbouring

***Complete Specification : 9 pages.*** ***Drawing : 2 sheets***

Int. Cl[7] : H04N 7/00, H04N 5/00

194458

Ind. Cl. : 206 E

Title : COMBINED COMPUTER AND DECODER SYSTEM FOR RECEIVING BROADCAST DIGITAL DATA TRANSMISSION

Applicant : CANAL + SOCIETE ANONYME OF 85/89 QUAI ANDRE CITROEN, 75711, PARIS, CEDEX 15, FRANCE.

Inventor : JEAN-BERNARD GERARD MAURICE BEUQUE

Application no 2294/Cal/1997 filed on 04.12.1997

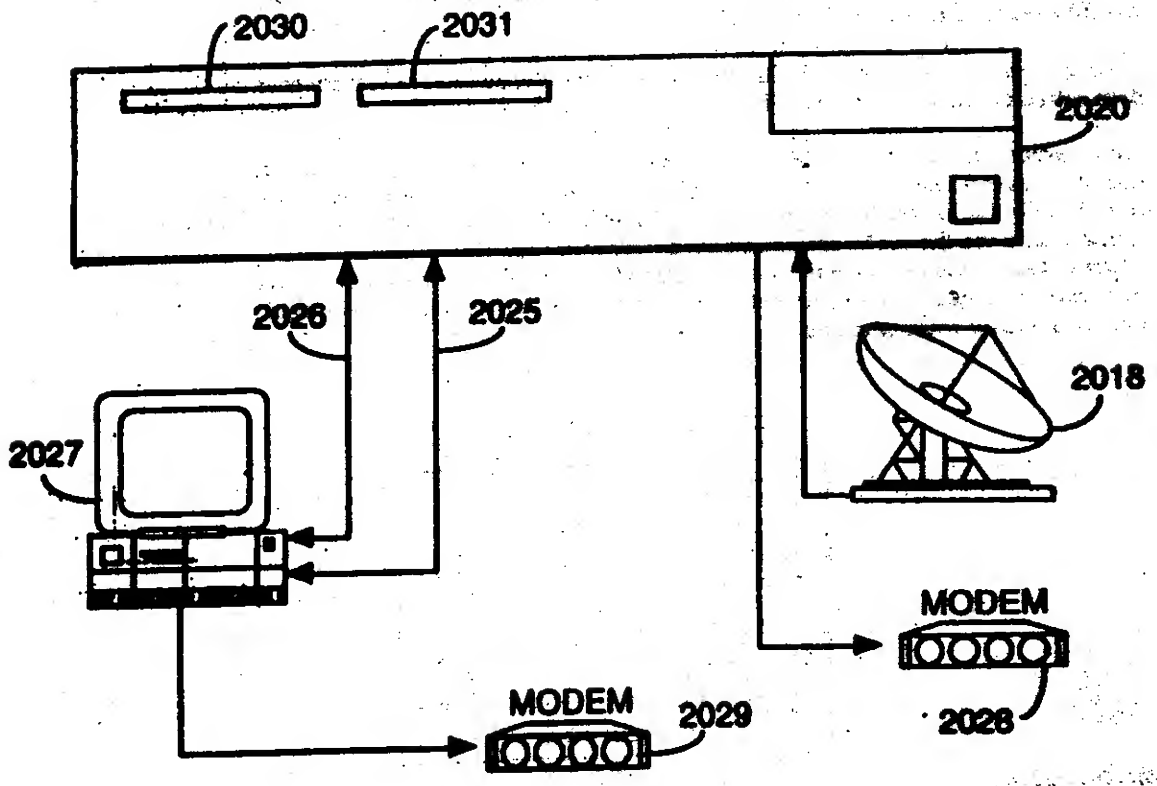
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**19CLAIMS.**

A combined computer and decoder system for receiving broadcast digital data transmissions, wherein the decoder (2020) comprises a routing means (2032) for identifying broadcast digital data received at the decoder (2020);

characterised in that the routing means (2032) is configured to route received data identified as destined for the computer (2027) to applications (2036) within the computer (2027), and in that the decoder (2020) comprises a configuration application (2037) adapted to configure said routing means (2032).

Fig.3.




*Complete Specification :18 pages.* *Drawing :3 sheets*

Int. Cl' : H04Q 11/04
Ind. Cl. : 206 E
Title : ATM-COMMUNICATION SYSTEM FOR SWITCHING OF INTERNET-DATA PACKETS.

194459

Applicant : SIEMENS AKTIENGESELLSCHAFT OF WITTELSBACHERPLATZ 2,80333, MUENCHEN, GERMANY.

Inventor : 1. SCHRODI, KARL.
2. FISCHER, WOLFGANG, DR.
3. GOELDNET, ERNST-HELINRICH, DR.

Application no 276/CAL/1998 FILED ON 20.2.1998
(CONVENTION NO. 19707161.2 FILED ON 21.1.1997 IN GERMANY.)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

## 22CLAIMS.

An ATM communications system for transmitting ATM cells of an ATM cell stream, said ATM cell stream comprising data packets packed into ATM cells or ATM communications networks formed by ATM communications systems,

-said ATM communications system comprising the following items for the transmission of ATM cells related to Internet data packets:

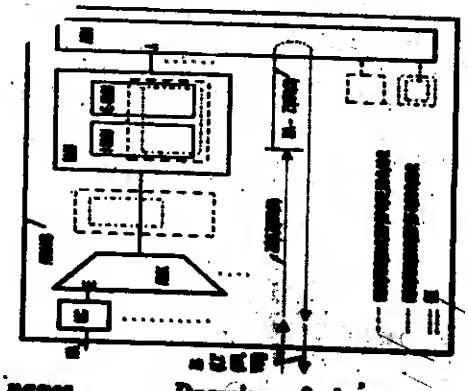
-a cell identification means ( ZE-R) for selecting said ATM cells(Z') related to Internet data packets from said ATM cell stream( Z,Z');

-an Internet packet header means ( PE-R) for finding Internet data packet headers(IH) from said ATM cells related to Internet data packets (Z');

-an extractor means (Ex-R) for extracting destination address information(DA) contained in said Internet data packet headers (IH);

-a routing means (RE) for deriving derived routing information (RI) from said destination address information (DA), and

-an insertion means ( ZK-U, ZSP, EF-R) comprising a cell header converter, a cell memory, and an insertion routine wherein said insertion means inserts said derived routing information (RI) into each said ATM cell(Z') of an Internet data packet (IDP), for transmission via the ATM communications network (ASN);
wherein base transmittal means are comprised of said cell identification means(ZE-R), said Internet packet header routine(PE-R) , said extractor routine (EX-R), said insertion means, and said routing means.



*Complete Specification : 14 pages.* *Drawing : 2 sheets*

194460

Int. Cl[7] : C07C 67/055, C07C 69/15

Ind. Cl. : 32F , 40B

Title : A PROCESS FOR THE PRODUCTION OF VINYL ACETATE UTILIZING A PALLADIUM-GOLD-COPPER CATALYST.

Applicant : CELANESE INTERNATIONAL CORPORATION, OF 1601 LBJ FREEWAY, DALLAS, TEXAS 75234, USA

Inventor : 1. IOAN NICOLAU
2. JERRY A. BROUSSARD
3. PHILIP M. COLLING

Application no 892/CAL/1998 FILED ON 18.5.1998
(CONVENTION NO. 08/870120 FILED ON 3.6.1997 IN USA)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**17CLAIMS.**

A process for the production of vinyl acetate by reaction of ethylene, oxygen and acetic acid as reactants comprising contacting said reactants and a non-halogen containing copper compound such as herein described with a catalyst comprising a porous support such as herein described on the porous surfaces of which is deposited 0.5 gram to 10 grams of gold per litre of catalyst; 0.3 gram to 5.0 grams of copper per liter of catalyst and 1 gram to 10 grams of palladium per liter of catalyst.

***Complete Specification : 11 pages.*** ***Drawing : NIL***

Int. Cl[7] : H02J 7/02 H02J 7/10 H02M 3/335

194461

Ind. Cl. : 68A
Title : BATTERY RECHARGING CIRCUIT
Applicant : SAMSUNG ELECTRONICS CO. LTD OF 416, MAETAN-DONG, PALDAL-GU, SUWON-CITY, KYUNGKI-DO, KOREA.

Inventor : SEUNG-YUN KIM
Application no 2358/CAL/1997 FILED ON 12.12.1997
(CONVENTION NO. 64866/1996 FILED ON 12.12.1996 IN KOREA.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**3CLAIMS.**

1. A battery recharging circuit comprising:

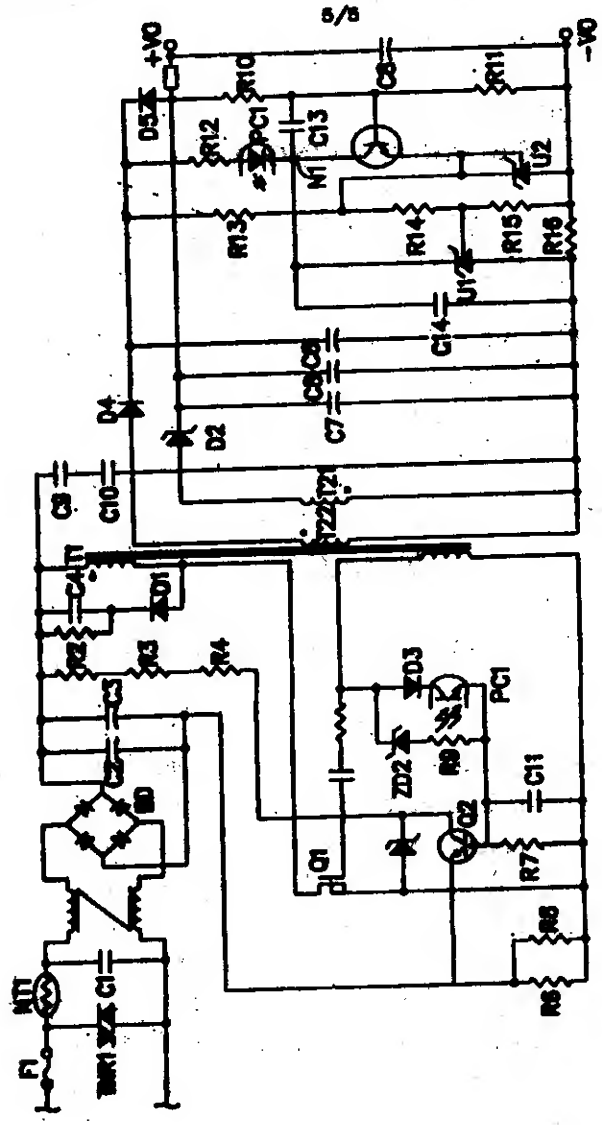
a voltage source;

an AC-to-DC converter for converting an AC supply voltage from said voltage source into a DC supply voltage, to generate a charging voltage;

a voltage sensor for comparing said charging voltage with a reference voltage to generate a voltage control signal when said charging voltage is equal to or higher than said reference voltage;

a current sensor for comparing a charging current with a reference current to generate a current control signal when said charging current reaches said reference current; and

controller including a switching element connected between said voltage source and said AC-to-DC converter, to connect and disconnect a power path between said voltage source and said AC-to-DC converter so as to maintain the constant charging voltage.




***Complete Specification : 17 pages.*** ***Drawing :5 sheets***

Int. Cl[7] : B28B 1/26

194462

Ind. Cl. : XXV 2(D)

Title : GYPSUM BOARD HAVING IMPROVED WATER RESISTANCE

Applicant : UNITED STATES GYPSUM COMPANY OF 125 SOUTH FRANKLIN STREET, CHICAGO, ILLINOIS 60606-4678, USA

Inventor : MARK H. ENGLERT

Application no 2366/CAL/1997 FILED ON 15.12.1997

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**40CLAIMS.**

1. A process for making a gypsum board product having improved water resistance which comprises:

adding an aqueous siloxane emulsion to an aqueous slurry of a calcium sulfate material and host particles such as herein described, while said slurry is at a temperature at which calcium sulfate hemihydrate crystals are maintained, said siloxane emulsion comprises at least one hydrogen modified siloxane, said siloxane emulsion being stable under the conditions in which the calcium sulfate hemihydrate crystals are maintained;

passing said siloxane-containing slurry onto a flat porous forming surface to form a filter cake before the temperature of said filter cake falls below the temperature at which the calcium sulfate hemihydrate rehydrates to calcium sulfate dihydrate;

removing a substantial portion of the water from said filter cake through said porous surface and cooling said filter cake to a temperature at which rehydration begins,

pressing said filter cake to form a board and remove additional water whereby the calcium sulfate hemihydrate crystals about said host particles rehydrate in situ to calcium sulfate dihydrate crystals; and

drying said board to remove the remaining free water and to cause the core of said board to reach a temperature sufficient to cure said siloxane.

*Complete Specification : 40 pages.* *Drawing : NIL*

Int. Cl[7] : F28F 27/02 13/06 F22B 1/18 29/06 37/74 37/12

194463

Ind. Cl. : 176F

Title : STEAM GENERATOR

Applicant : SIEMENS AKTIENGESELLSCHAFT OF. WITTELSBACHERPLATZ 2,80333, MUENCHEN, GERMANY

Inventor : 1. EBERHARD WITTCHOW
2. JOACHIM FRANKE
3. RUDOLF KRAL

Application no 2103/CAL/1997 FILED ON 06.11.1997
(CONVENTION NO. 19651678.1 FILED ON 12.12.1996 IN GERMANY.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**8CLAIMS.**

Steam generator (1) in which at least one once-through heating area (8, 10) is arranged in a heating-gas duct (3) through wich flow can occur in an horizontal heating-gas direction, which once-through heating area (8, 10) is formed from a number of vertically arranged steam-generator tubes (13, 14) connected in parallel for the throughflow of a flow medium, characterized in that the once-through heating area (8, 10) is designed in such a way that a steam-generator tube (13, 14) heated to a greater extent compared with a further steam-generator tube (13, 14) of the same once-through heating area (8, 10) has higher flow rate of the flow medium compared with the further steam-generator tube (13, 14).

***Complete Specification : 16 pages.*** ***Drawing :3 sheets***

Int. Cl[7] : G01B 11/00 G01B 17/00

194464

Ind. Cl. : 206 E

Title : AN INFRA-RED SHAFT MISALIGNMENT DETECTOR

Applicant : INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR 721 302, WEST BENGAL, INDIA.

Inventor : PROF. S.K ROY CHOUDHURY

Application no 310/CAL/2001 FILED ON 23.5.2001

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

## 10CLAIMS.

An infrared shaft misalignment detector for detection of misalignment of shafts comprising an IR emitter (E) mounted on a swivelling base (SB1) and an IR receiver (R) mounted on a swivelling base (SB2) and the assembly of said IR receiver and the swivelling base is mounted on screw ratchet device (RS) having a knob (N) to provide movement to the IR receiver (R) along the the axis of the screw ratchet device (RS) and said IR receiver (R) is attached to a displacement transducer (DT) for providing electrical output signal to digital display (L1) corresponding to the displacement of the IR receiver (R).

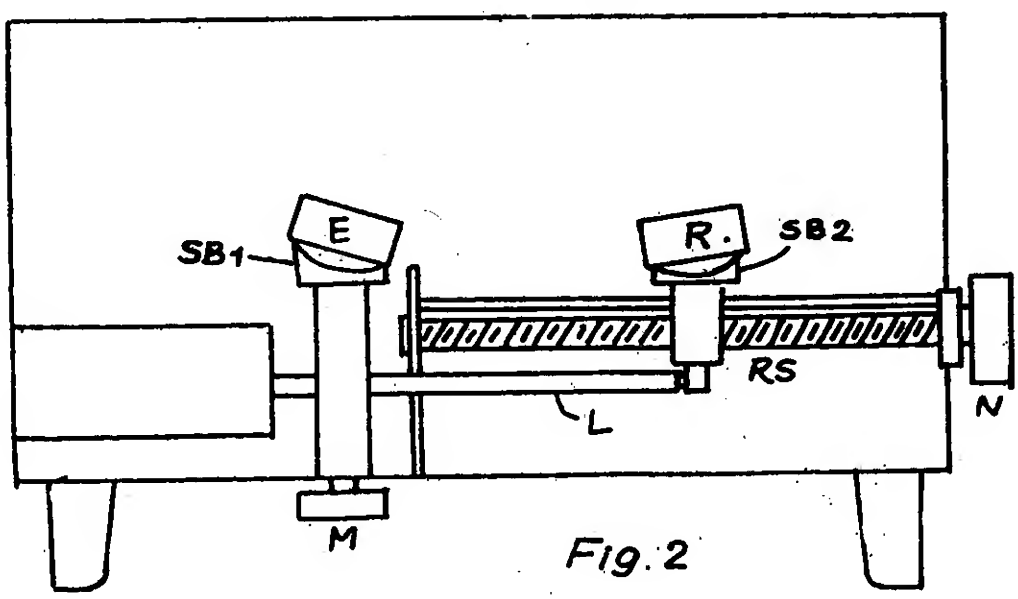



Fig. 2

*Complete Specification : 11 pages.* *Drawing : 3 sheets*

194465

Int. Cl[7] : C21D 8/12

Ind. Cl. : 9F

Title : PROCESS FOR THE PRODUCTION OF GRAIN-ORIENTED ELECTRICAL STEEL SHEETS.

Applicant : ACCIAI SPECIALI TERNI S.P.A OF VIALE BENEDETTO BRIN 218, 05100 TERNI, ITALY

Inventor : 1. STEFANO FORTUNATI
2. STEFANO CICALE
3. GIUSEPPE ABBRUZZESE

Application no 2087/CAL/1997 FILED ON 5.11.1997
(CONVENTION NO. RM97A000147 FILED ON 14.3.1997 IN ITALY.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

## 5CLAIMS.

1. Process for the production of grain-oriented electrical steel sheets, comprising the following steps in sequence :-

(a) casting silicon steel of composition, such as herein described,into slabs in a continuous casting method , followed by

(b) producing a strip by hot-rolling the slabs and coiling the strips,

(c) cold-rolling the hot-rolled strips,

(d) annealing the strips continuously for primary recrystallisation of the same,

(e) nitriding the strips, and

(f) annealing the strips for secondary recrystallisation, under conditions, such as herein described,

characterised in that

(i) the managanese content of the strip is maintained in the range of 400-1500 ppm;

(ii) the weight ratio between manganese content and sulphur content of the strip is maintained in the range of 2 - 30, the sulphur content of the strip being not allowed to be higher than 300 ppm;

(iii) the slabs are heated at the temperature range of 1100-1300°C; and

(iv) the slabs are hot-rolled into the strips at initial temperature between 1000°C and 1150°C and at final temperature between 900°C and 1000°C, and the strips are coiled at temperature between 550°C and 720°C to produce thereby thin precipitates in the hot-rolled strips with an effective inhibition (Iz) according to the empirical formula :

$$Iz = 1.91 Fv/r$$

where Fv is the volume fraction of the thin precipitates and r is the mean radius of the said precipitates.

*Complete Specification :14 pages.* *Drawing : NIL*

Int. Cl[7] : B21B 27/10, B21B 37/32

194466

Ind. Cl. : 129J

Title : AN IMPROVED ROLL COOLING SYSTEM WITH IMPROVED HEAT TRANSFER COEFFICIENT AND A METHOD ACHIEVING IMPROVED ROLL COOLING FOR MULTISTAND COLD MILL

Applicant : STEEL AUTHORITY OF INDIA LIMITED, OF DORANDA, RANCHI – 834 002 BIHAR, INDIA

Inventor :
1. MARIK APURBA KUMAR.
2. SENGUPTA PARTHA PRATIM
3. PATHAK ASHISH
4. KRISHNA BINOD
5. SINGH SURENDRA PRASAD
6. NAFDE KISHORE
7. GANTI MAHAPATRUNI DAKSHINA MURTY
8. JHA SUDHAKER

Application no 178/CAL/2001 FILED ON 26.3.2001

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

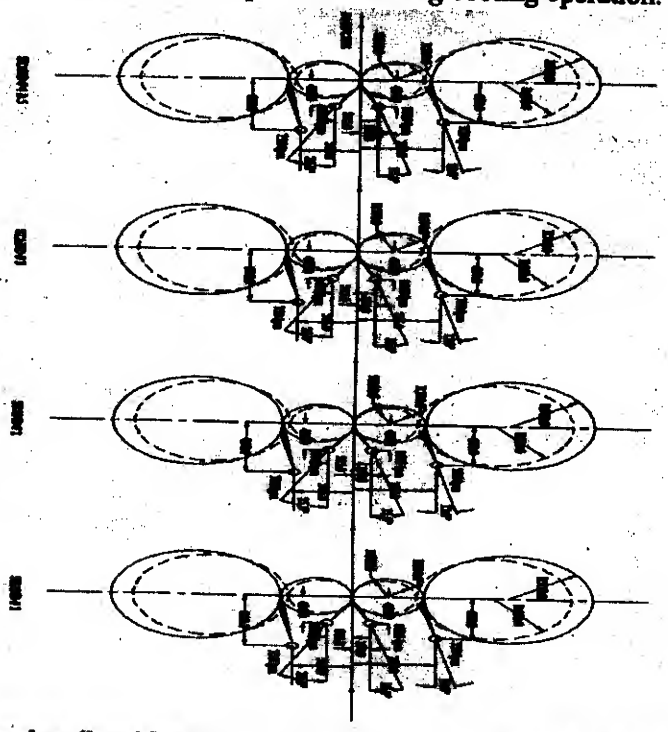
**31CLAIMS.**

An improved roll cooling system with improved heat transfer coefficient for multi stand cold mill comprising:

selective nozzle means;

means for regulated spray conditions;

means for regulated coolant flow distribution to thereby achieve maintaining substantially *constant heat transfer coefficient* at *impact area during* cooling operation.



***Complete Specification : 22 pages.*** ***Drawing :10 sheets***

Int. Cl[7] : H04Q 7/22 H04B 7/26, H04J 3/06

194467

Ind. Cl. : 206

Title : METHOD AND BASE STATION SYSTEM FOR CONFIGURATION OF A RADIO INTERFACE BETWEEN A MOBILE STATION AND A BASE STATION IN A TIME-DIVISION MULTIPLEX MOBILE RADIO SYSTEM FOR PACKET DATA TRANSMISSION.

Applicant : SIEMENS AKTIENGESELLSCHAFT OF WITTELSBACHERPLATZ 2,80333, MUENCHEN, GERMANY.

Inventor : 1. DR. CHRISTIAN MENZEL
2. MARTIN OETTL

Application no 2159/CAL/1997 3 17.11.1997

(CONVENTION NO. 19647629.1 FILED ON 18.11.96 IN GERMANY.)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

10CLAIMS.

Method for configuration of a radio interface between a mobile station (MS) and a base station (BS) of a time-division multiplex mobile radio system for packet data transmission, wherein

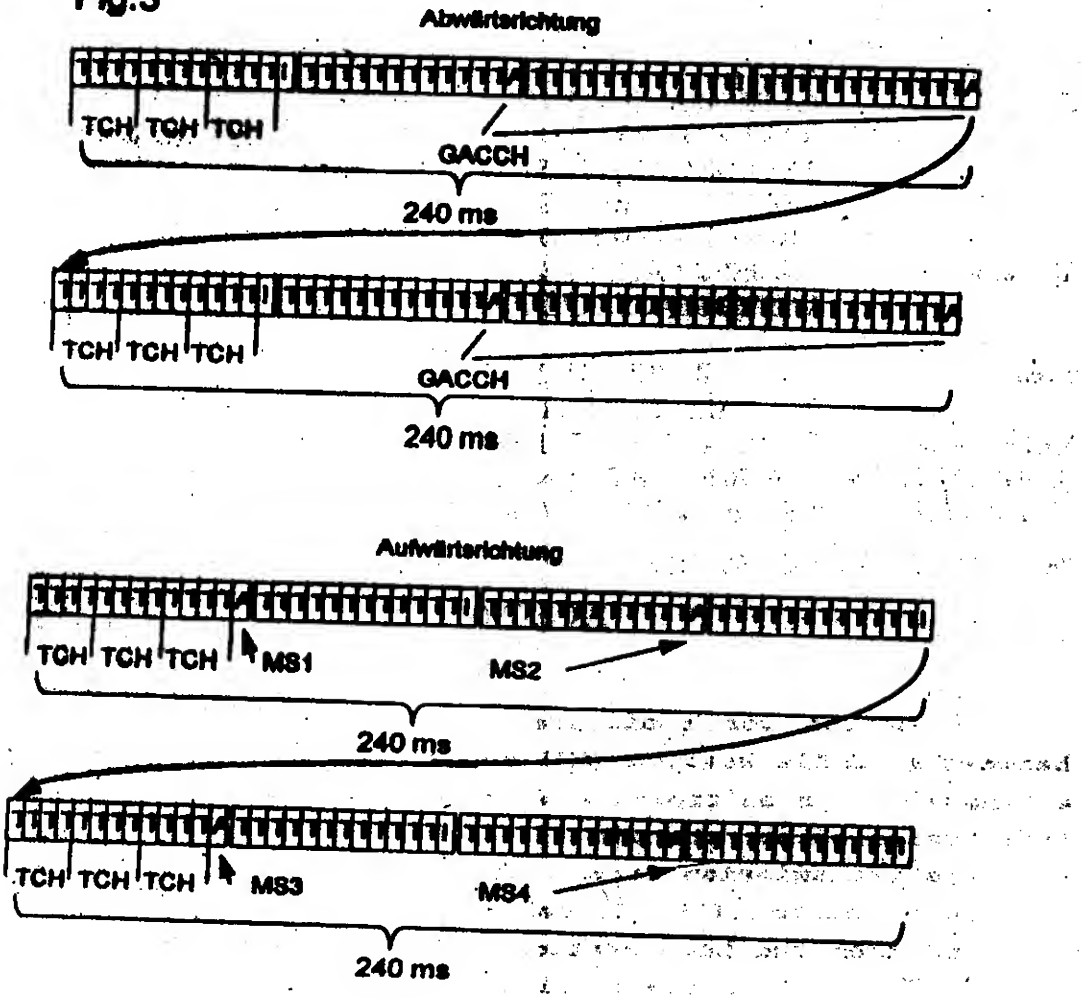
- the transmission from a mobile station (MS) to the base station (BS) is called the uplink direction, and from the base station (BS) to a mobile station (MS) is called the downlink direction,
- a channel (GPRS-K) is formed by at least one time slot (ts, T, A) per time-division multiplex frame (R),
- the packet data transmission from a plurality of mobile stations (MS) takes place via the common channel (GPRS-K),
- a time slot (ts, A, I) for signalling is provided at cyclic intervals in the channel (GPRS-K),

in which

- the mobile stations (MS) are additionally identified by abbreviated identifiers (id) for packet data transmission,
- the base station (BS) allocates to the mobile station (MS) one or more time slots (ts, A) for signalling for the uplink direction in accordance with a sequence which can be predetermined,
- the allocation being carried out by means of indicator messages which contain abbreviated identifiers (id) and time slot designations, and
- allocation being independent of a sequence of packet data transmission from or to the mobile station (MS).

3/4

Fig.3




*Complete Specification : 17 pages.* *Drawing : 4 sheets*

Int. Cl[7] : G01C 3/08 , 3/10 G02 B 26/08

194468

Ind. Cl. : 123I(4)

Title : AN APPARATUS FOR NON INVASIVE MEASUREMENT OF SPATIAL PARAMETERSOF A DISTANT OBJECT

Applicant : INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR 721 302, INDIA.
SOUTHERN RAILWAY, CHENNAI DIVISION. INDIA

Inventor : 1. MANJOJ KUMAR GHOSH
2. PRANAB KUMAR DUTTA
3. SHAMIT PATRA
4. SATYABROTO SINHA

Application no 280/CAL/2000 FILED ON 10.5.2000

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

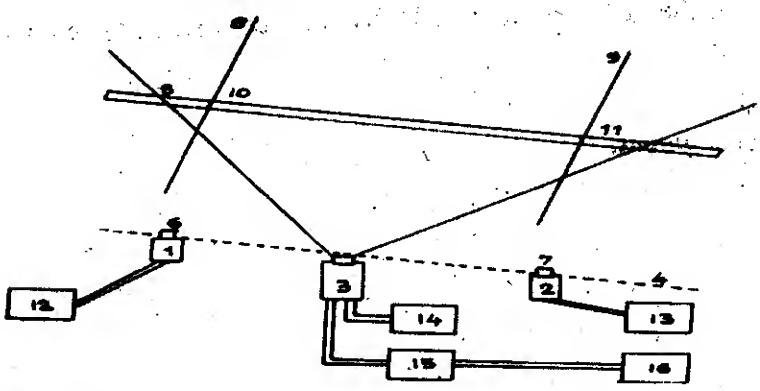
## CLAIMS.

An apparatus for non-invasive measurement of spatial parameters of a distant object (5) comprising :

a camera (3) and two light sources (1, 2) for creating two images or spots with their respective power sources (14, 12, 13);

said camera (3) and said light sources (1, 2) being positioned in one plane so that their axis (4) is parallel to the object (5) or fixed in position with respect to a reference line;

outputs of said camera (3) being connected to a processing unit (15) for processing said spot images captured by the camera to produce two distinct spots (18, 19) for computation of parameters.




*Complete Specification : pages.* *Drawing : sheets*

Int. Cl[7] : C05B 7/00

Ind. Cl. : 123 I(4)

194469

Title : A PROCESS FOR THE INCORPORATION OF PLANT NUTRIENTS AS COMPONENTS OF A SEMI-PERMEABLE COATING OF A GRANULAR, PHOSPHATIC OR NON-PHOSPHATIC FERTILIZER

Applicant : HI-FERT PTY LTD OF 1, RICHMOND ROAD, KESWICK SOUTH AUSTRALIA , AUSTRALIA

Inventor : KARL HEINRICH WALTER
ROSLYN JANE BAIRD

Application no 1225/CAL/1998 FILED ON 15.7.1998
(CONVENTION NO. P08082 FILED ON 18.7.1997 IN AUSTRALIA)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

## 26CLAIMS.

A process for (a) the incorporation of plant nutrients as components of a semi- permeable coating of a granular, phosphatic or non-phosphatic fertilizer, and (b) the reduction of the rate of dissolution of water-soluble nutrients from said fertilizer, which process comprises forming in situ, on the surface of the granules of the fertilizer, a coating comprising compounds selected from the group consisting of one or more ammonium magnesium phosphate and potassium magnesium phosphate compounds, said process comprising the steps of introducing said fertilizer into a granulating device so as to produce a bed of granules within said granulating device, said granulating device being rotated at a speed which will result in the granules in said bed tumbling and cascading, with the bed of granules having mixing and compaction characteristics such as to ensure the formation of a densely adhering coating on the granules from added coating components, being water and plant nutrients.

***Complete Specification : 36 pages.*** ***Drawing : NIL***

Int. Cl[7] : C10G 11/00 C10G 55/06

194470

Ind. Cl : 40C, 40B

Title : A PROCESS FOR THE PRODUCTION OF AN UPGRADED HYDROCARBON PRODUCT FROM A HYDROCARBON FEDSTOCK IN THE PRESENCE OF A CATALYST

Applicant : INTEVEP , S.A. OF APARTADO 76343, CARACAS 1070A VENEZUELA

Inventor : 1. PEDRO PEREIRA
2. ROGE MARZIN
3. LUIS ZACARIAS
4. JOSE CORODOVA
5. MARIAN MARINO

Application no 607/CAL/1998 FILED ON 07.04.1998
(CONVENTION NO. 08/838,834 FILED ON 11.4.1997 IN USA)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

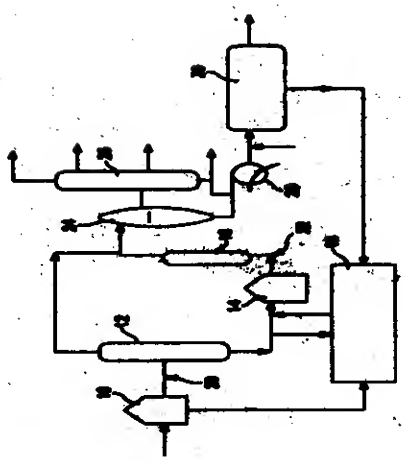
## 36CLAIMS.

A process for the production of an upgraded hydrocarbon product such as herein described, from a hydrocarbon feedstock such as herein described, in the presence of a catalyst such as herein described, said method comprising the steps of :

(a) providing a catalytic emulsion comprising a water in oil emulsion containing a first alkali metal such as herein described, and a second metal selected from the group consisting of Group VIII non-noble metals, alkaline earth metals and mixtures thereof such as herein described ;

(b) mixing the catalytic emulsion with a hydrocarbon feedstock such as herein described to provide a reaction mixture ; and

(c) subjecting the reaction mixture to steam conversion so as to provide an upgraded hydrocarbon product.



*Complete Specification : 40 pages.* *Drawing : 3 sheets*

Indian Classification :- 187 H

194471

International Classification[7] :- H 04 Q 7/08

Title :- " A TIME DIVERSITY COMMUNICATION APPARATUS "

Applicant :- MOTOROLA, INC., of 1303 East Algonquin Road, Schaumburg, Illinois, 60196, USA.2 NTT MOBILE COMMUNICATIONS NETWORK INC., of Shin-Nikko Bldg. 9th Floor East Tower, 10-1, Toranomon 2-Chome, Minato-ku, Tokyo, 105 Japan.

Inventors :- ERIC THOMAS EATON - U.S
RONALD HUGH EVOY - U.S
DAVID JEFFERY HAYES - U.S
DAVID FRANK WILLARD - U.S
SHOGO ITO - JAPAN.
YASUSHI YAMAO - JAPAN.

Kind of Application :- COMPLETE

Application for Patent Number 83/del/1996 filed on 12/01/1996

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office , New Delhi Branch - 110 008.

( Claims- 08 )

A time diversity communications apparatus, comprising: - a messaging terminal where messages are received from a caller; - a queue at the messaging terminal for queuing incoming messages; characterized in that - an encoder for encoding a first fragment of the message and remaining fragments of the message; - a transmitter for repeatedly transmitting the first fragment in a plurality of time slots to at least one of a plurality of selective call receivers operating in a first mode, the number of time slots equaling a desired number of repeat transmissions and wherein the first fragment contains instructions for decoding the remaining fragments in a second mode by at least one of the plurality of selective call receivers, and the transmitter for repeatedly transmitting remaining portions of the message in subsequent time slots; and - at least one of a plurality of selective call receivers that decodes the first fragment and the remaining portions of the message in accordance with instructions in the first fragment, and the selective call receiver decodes the first fragment repeatedly in the desired number of repeat transmissions.

Complete Specification No of Pages 16

Drawings Sheets 04

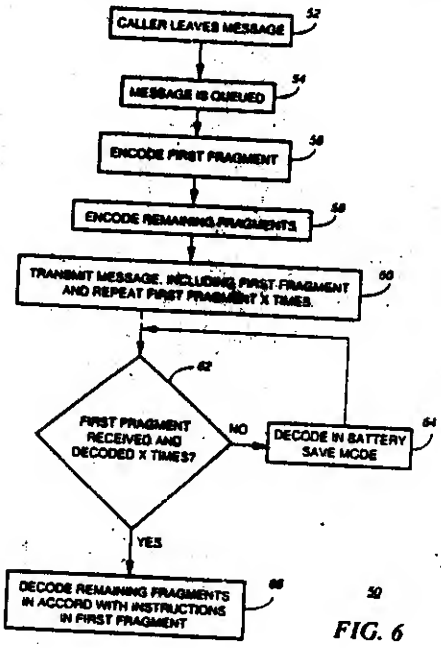



FIG. 6

| | | |
|---|---|---|
| Indian Classification | :- | 45 A, 45 B |
| International Classification[7] | :- | A 47 K 3/00, A 47 K 4/00, E0 3C 1/06 |
| Title | :- | "SHOWER DOOR ASSEMBLY". |
| Applicant | :- | STERLING PLUMBING GROUP, INC., of 2900 Golf Road, Rolling Meadows, Illinois 60008-4013, United States of America. |
| Inventors | :- | RAUL MEHRA PAREDES - U.S.A.<br>FRANK TIMOTHY POGGIO - U.S.A.<br>BRUCE MICHAEL SAUTER - U.S.A.<br>DANA FRANCIS BUCCICONE - U.S.A. |
| Kind of Application | :- | COMPLETE/CONVENTION |

194472

Application for Patent Number 825/del/1996 filed on 18/04/1996

Convention No. 08/424858/USA/19.04.1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office , New Delhi Branch - 110 008.

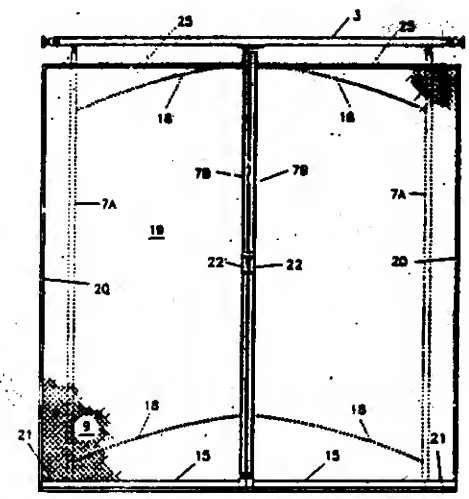
( Claims 15 )

A shower door assembly for covering a tub or shower enclosure having sides and a base, comprising :- an upper support member adapted to be positioned against opposing sides of the enclosure; - a lower support member adapted to be positioned against the base of the enclosure;- characterized in that the said shower door assembly comprises a frame, comprising first and second laterally spaced frame members, the first frame member having a first end connected to the upper support member and a second end connected to the lower support member for movement about a vertical axis, and the second frame member having a first end adapted to be releasably connected to the upper support member;- a panel extending between the first and second frame members;- a brace member connecting the first and second frame members, the brace member being adapted to apply an upward force on a second frame member in order to maintain the second end of the second frame member in releasable connection with the upper support member, and- side panels adopted to be positioned against one of the sides of the enclosures and a sealing member positioned against one of the side walls.

FIG. 3

Complete Specification No of Pages 13

Drawings Sheets 11



Indian Classification :- 80

194473

International Classification[7] :- B 01 D 21/00, B 01 D 21/01, G 01 N 15/04

Title :- "A DEVICE AND PROCESS FOR DETERMINING OPTIMUM OPERATING CONDITIONS FOR A FULL SIZE INDUSTRIAL CONTINUOUS GRAVITY SETTLING UNIT".

Applicant :- ALCAN INTERNATIONAL LIMITED, OF 1188 SHERBROOKE STREET WEST, MONTREAL, QUEBEC, CANADA H3A 3G2.

Inventors :- PIERRE FERLAND - CANADA
LEOPOLD TREMBLAY - CANADA
JEAN DOUCET - CANADA

Kind of Application :- CDMPLETE/CONVENTION

Application for Patent Number 838/del/1996 filed on 19/04/1996

Convention No. 426690/U.S.A./21.04.1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office , New Delhi Branch - 110 008.

( Claims 13 )

A device for determining optimum operating conditions for a full size industrial continuous gravity settling unit, said device comprising an elongated, cylindrical settling column having concentric, inner and outer transparent cylindrical walls forming an annular space therebetween filled with transparent heat exchange liquid and said inner wall defining a cylindrical settling cell, a cylindrical feedwell extending downwardly into the top end of the settling cell, an overflow outlet opening in said inner wall at a location above the bottom end of said feedwell, a solids discharge opening at the bottom of said settling cell and a rotating rake at the bottom of the settling zone for compacting collected solids, a reservoir for slurry to be tested and a reservoir for flocculant to be tested, pumps connected to the reservoirs for providing smooth, continuous flows of slurry and flocculant, mixers for mixing together said slurry and said flocculant, flow measuring devices for measuring flow rates of slurry and flocculant, and temperature probes for measuring the temperatures of the slurry reservoir and the settling zone.

Complete Specification No of Pages 28 Drawings Sheets 04

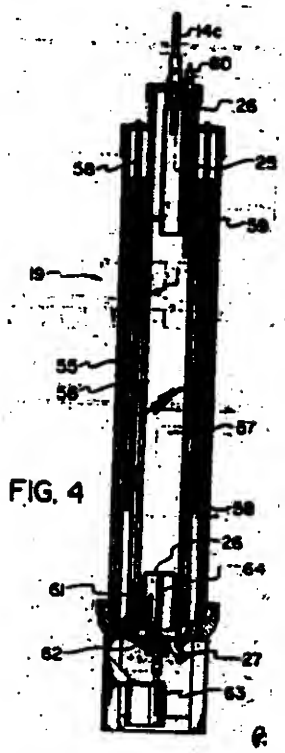



FIG. 4

**IND. CL.** : 80 B

**194474**

**INT. CL.** : B 01 D 23/02

**TITLE** : AN IMPROVED FILTER CUM STORAGE CONTAINER FOR LIQUIDS.

**APPLICANT & INVETOR** :
SHAH ROHIT HEMRAJ
49/3, POPOLAR VILLA,
6TH GOLIBAR ROAD,
SANTACRUZ (EAST),
MUMBAI – 400 055,
MAHARASHTRA STATE.
INDIA, AN INDIAN NATIONAL.

**INTERNATIONAL APPLICATION NO** : ----------

**INDIAN APPLICATION NO.** : 2/MUM/2000 FILED ON 03.01.2000

**PRIORITY NO.** : ----------

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 7 – CLAIMS.

An improved filter cum storage container for liquids comprising an outer container with lid, a flexible bag provided near the upper end of the said outer container for containing the impure liquid therein, a filtering element provided at the bottom end of said flexible bag for filtering the said impure liquid contents and dripping to the outer container through a passage provided in the said filtering element for storage, a spring having a float mounted at the top end thereof being disposed in the said outer container for supporting the said flexible bag thereon, and outlet being provided near the bottom end of the said container for supplying the purified liquid when required.

Comp.specn.: 13 pages Drawings –3- sheets.

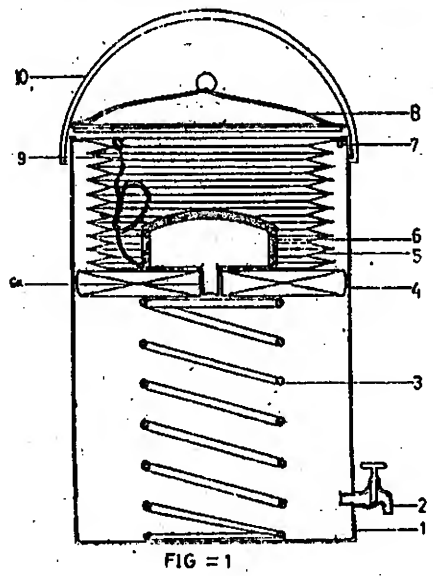


FIG = 1

| | | |
|---|---|---|
| IND. CL. | : | 129 Q |
| INT. CL. | : | H 05 H 1/34<br>1/38 |
| | | 194475 |
| TITLE | : | A HEAD FOR A PLASMA ARC CUTTING TORCH.. |
| APPLICANT | : | HUGHEN GERRARD THOMAS<br>OF EL-55, M.I.D.C., BHOSARI,<br>PUNE – 411 026, MAHARASHTRA,<br>INDIA, AN INDIAN NATIONAL. |
| INVENTOR | : | - I DEM - |
| INTERNATIONAL APPLICATION NO | : | ------ |
| INDIAN APPLICATION NO. | : | 452/BOM/1999 DATED 16.06.1999 |
| PRIORITY NO. | : | ---------- |

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 4 CLAIMS

A head (200) for a plasma arc cutting torch comprising :

a cone ended peripheral nozzle (212), consisting of a cylindrical body with a cone end (214) extending from the body, defining a nozzle orifice (218) and nozzle throat (220);

an electrode (216) removably fitted axially within the nozzle having an operative front end (230) defining an end surface bearing an emissive insert (250);

a plasma formation zone (228) or plenum formed between the end surface of the electrode and the nozzle orifice;

a swirl (222) located between the nozzle and the electrode, through which plasma fuel gas is introduced into the nozzle, characterized in that a provision is made for introducing directly plasma fuel gas into the plasma formation zone or plenum beyond the junction (238) between the nozzle body and cone end thereby avoiding change in direction within the conical end of the nozzle before the plasma formation zone.

Comp. Specn. 8 pages; Drawings - 2 Sheets.

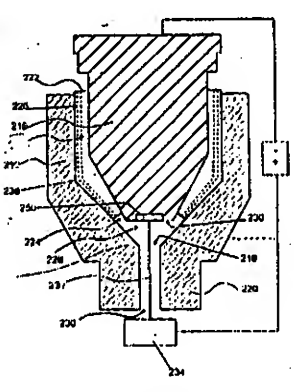



FIGURE 2

IND. CL. : 205 B

194476

INT. CL. : B 60 C 19/08
B 60 C 11/18

TITLE : A TYRE

APPLICANT : COMPAGNIE GENERALE DES ESTABLISSEMENTS MICHELIN-MICHELIN & CIE
12 COURS SABLON, F-63040
CLERMOND-FERRAND CEDEX 09,
FRANCE
A FRENCH COMPANY

INVENTOR : 1) DIDIER CALVAR
2) SERGE NICOLAS
3) DANIEL BARDY

INTERNATIONAL APPLICATION NO : PCT/EP99/01042 DATED 17/02/1999

INDIAN APPLICATION NO. : IN/PCT/2000/00300/MUM DATED 17/08/2000

PRIORITY NO. : 98/02460 DATED 26/02/1998 OF FRANCE

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

**06 CLAIMS**

1) A tyre comprising at least two layers (31), (32) of rubber mix which does not conduct electricity, the said two layers (31) and (32) having a common contact surface (310), characterized in that
each layer (31, 32) contains a circumferential insert or striation (11, 12) of conductive rubber mix which, on the contact surface (310) has a circumferential footprint, the insert of first layer (31, 32) having on the said surface a circumferential footprint of circular path and of width e, the insert of second layer (31, 32) having on the said surface a circumferential footprint with a path of width e' which crosses and has crests on either side of the circular path of the first layer insert, such that circumferentially between the two paths there are numerous points of contact which ensure electrical connection between the two conductive elements, and the path of the second layer has a maximum crest-to-crest amplitude equal to 10 mm.

COMPLETE SPECIFICATION : 14 PAGES
DRAWINGS: 04 SHEETS

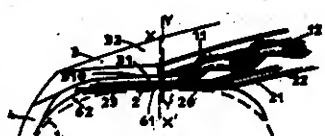


FIG. 1A

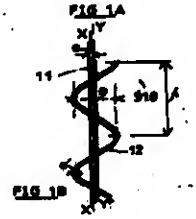


FIG. 1B

IND. CL. : 88 E

INT. CL. : F 23 G 001/00 **194477**

TITLE : A FINE BIOMASS GASIFIER SYSTEM WITH ZONE CONTROL TO PRODUCE CLEAN GAS FROM FINE BIOMASS MATERIALS

APPLICANT & INVENTORS : ABHAY DEO SINGH CHAUHAN, FLAT NO.7, AANGAN APARTMENT, BLOCK NO.20, URMI SOCIETY, ALKAPURI, BARODA 390 005, GUJARAT STATE, INDIA. AN INDIAN NATIONAL & BHAGCHAND NATHULAL JAIN, 'ANKUR' NEAR OLD SAMA JAKAT NAKA, BARODA 390 008, GJUJARAT STATE, INDIA. AN INDIAN NATIONAL

INTERNATIONAL APPLICATION NO : ----------

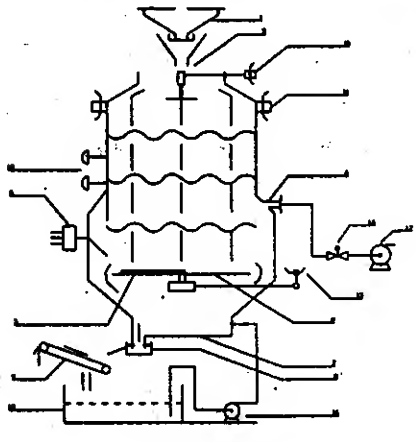
INDIAN APPLICATION NO. : 462/BOM/1999 DATED 23.06.1999

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 10 CLAIMS

A fine biomass gasifier system for fine biomass material which comprises three sections wherein first section is the GAS PRODUCER which consists of a biomass feed arrangement system for feeding the fuel inside the chamber, motor driven leveller and motor vibrator to feed the fuel uniformly across the cross section of the gas producer column, reaction air intake and blower with continuous suction mode to create continuous air circulation in gas producer column, temperature sensors, a set of timers and PLC (Programmable Logic Control) to sense the temperature, compare it with preset value, and control the parameters such as ash discharge rate, fuel intake rate and air circulation rate, gas outlet, a servo valve and a blower to pass on the produced hot, burnable gas further to cooling/cleaning system, a support table to hold the ash produced as by product of gasification, an ash scrapper to collect the ash from the support table for discharge via a pan and a drain tub which consists of water fetched from a pond with the help of a pump to a separator-conveyor which separates ash from water and carries ash to a convenient collecting point and diverts water to the pond; second section is GAS COOLING/CLEANING SYSTEM which uses venturi scrubber principle to cool hot burnable gas coming out from the gasifier; the third section is GAS FILTERING SYSTEM comprises of three levels of filtering named as coarse, fine and check filter respectively.

Comp.specn. 21 pages Drawings: 06 sheets



**IND. CL.** : 54

**194478**

**INT. CL.** : A 23 F 3/40
A 23 F 5/46

**TITLE** : A PROCESS FOR PREPARATION OF INSTANT BEVERAGES AND A DISPENSING APPARATUS FOR PREPARATION OF SUCH INSTANT BEVERAGES.

**APPLICANT** : HINDUSTAN LEVER LIMITED.,
HINDUSTAN LEVER HOUSE,
165/166, BACKBAY RECLAMATION,
MUMBAI-400 020, MAHARASHTRA, INDIA,
AN INDIAN COMPANY.

**INVENTOR** : 1. SAKSENA SKAND
2. PATIL RAJESH

**INTERNATIONAL APPLICATION NO** : ————

**INDIAN APPLICATION NO.** : 516/BOM/1999 DATED 23/07/1999

**COMPLETE AFTER PROVISIONAL SPECIFICATION FILED ON 21/07/2000**

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003), PATENT OFFICE, MUMBAI - 13.**

**26 CLAIMS**

A process for the preparation of instant beverage hot or cold having improved aroma and flavour, the process comprising:
providing the aroma of beverage stored separately in the form of aqueous extract and/or solid; and
adding the said aroma in predetermined amounts to a beverage or vehicle and using the same to product beverage of desired variable aroma/flavour.

**PROVISIONAL SPECIFICATION : 10 PAGES** **DRAWINGS: 02 SHEETS**
**COMPLETE SPECIFICATION : 12 PAGES** **DRAWINGS: 02 SHEETS**

| | | |
|---|---|---|
| Ind. Cl. | : | 143 D2/D5/ D6 |
| | | **194479** |
| INT. CL. | : | B 31 B 7/60, B 65 B 7/22,7/28, B 65 D 88/16 |
| TITLE | : | LINER BAG FOR FLEXIBLE BULK CONTAINER. |
| APPLICANT & INVENTOR | : | LANCE JOHN MULLER, A SOUTH AFRICAN NATIONAL OF 149, TENTH ROAD, KEW, JOHANNESBURG, SOUTH AFRICA. |
| INTERNATIONAL APPLICATION NO | : | ---------- |
| INDIAN APPLICATION NO. | : | IN/PCT/2000/00803/MUM DATED 29.12.2000 |
| PRIORITY NO. | : | 98/5043 & 98/11254.DATED 09/06/1998 & 12.12.1998 OF SOUTH AFRICA |

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

**08 CLAIMS**

A liner bag (36) for a flexible bulk container comprising:
a front panel, (38)

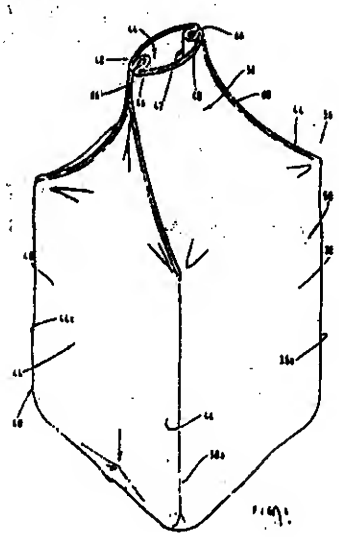
a rear panel, (40) and

gussets (42,44) between the sides of the panels, each gusset comprising front gusset part and a rear gusset part, the side edges of the front panel being joined to the front gusset parts and the side edges of the rear panel being jointed to the rear gusset parts.

the liner bag having a body part (58) and a neck (56) at its upper end, which neck is adapted to receive therein a filling nozzle (14) and which neck can be heat sealed after the liner bag has been filled to seal the liner bag, the neck being formed by welding together the edges of the front panel to the front gusset parts and by welding together the edges of the rear panel to the rear gusset parts;

characterized in that the front and rear panel and the gusset parts are all welded together by short welds (66) only at the free end of the neck.

Comp. specn. 16 pages Drawings: 09 sheets



Ind. Cl. : 205 L

**194480**

**INT. CL.** : B 60 C 9/18

**TITLE** : A TYRE HAVING A RADIAL CARCASS REINFORCEMENT

**APPLICANT** : COMPAGNIE GENERALE DES ESTABLISSEMENTS MICHELIN-MICHELIN & CIE
12 COURS SABLON, F-63040
CLERMOND-FERRAND,
CEDEX 09, FRANCE
A FRENCH COMPANY

**INVENTOR** : 1) LUCIEN BONDU

**INTERNATIONAL APPLICATION NO** : PCT/EP99/00652 DATED 02/02/1999

**INDIAN APPLICATION NO.** : IN/PCT/2000/00252/MUM DATED 02/08/2000

**PRIORITY NO.** : 98/01454 DATED 12/08/1999 OF FRANCE

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 04 CLAIMS

1) A tyre having a radial carcass reinforcement (1), which is anchored within each bead to at least one bead wire, and is surmounted by a crown reinforcement comprising at least two plies (32) and (33) of reinforcement elements, which are parallel to each other within each ply and are crossed from one ply (32) to the next (33), said two plies (32, 33) being of unequal axial widths, each edge of the ply (33) which is axially less wide of at least a pair (32, 33) of crossed plies being separated from the axially widest ply (32) of the same pair by a profiled element P of rubber mix, the axially outer end of which is located at a distance from the equatorial plane of the tyre which is at least equal to the distance between said plane and the end of the widest ply (32), said profiled element P itself being separated from the liner C of the least wide ply (33) by an edging rubber G, the axially outer end of which is located at a distance from said plane which is at least equal to half the width of the least wide ply (33), characterised in that said profiled element P, said edging rubber G and said liner C have respectively secant moduli of elasticity under tension at 10% relative elongation MP, MG, MC such that MC > MG > MP, the thickness of the edging rubber being at least equal to 15% of the total thickness of rubber mix between generatrices of cables respectively of the two plies (32, 33).

**COMPLETE SPECIFICATION : 11 PAGES**

**DRAWINGS: 01 SHEETS**

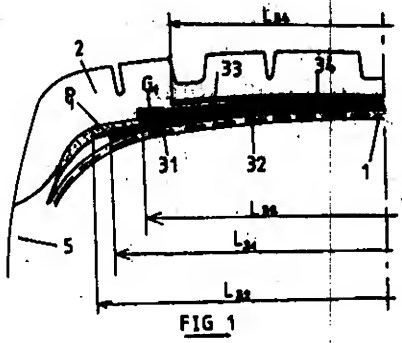



FIG 1

IND. CL. : 84 B

194481

INT. CL. : C10 L 1/04 C 10 L 1/06

TITLE : AN UNLEADED FORMULATED MOTOR GASOLINE.

APPLICANT : BP OIL INTERNATIONAL LIMITED.
A BRITISH COMPANY,
OF BRITANNIC HOUSE,
1, FINSBURY CIRCUS,
LONDON EC2M 7BA,
UNITED KINGDOM

INVENTOR : 1) ROBERTO VITTORIA BAZZANI
2) PAUL JAMES BENNETT
3) GRAHAM BUTLER
4) ALISDAIR QUENTIN CLARK
5) JOHN HARDY COOPER.

INTERNATIONAL APPLICATION NO : PCT/GB 99/00959 DATED 26.03.1999

INDIAN APPLICATION NO. : IN/PCT/2000/00414/MUM DATED 19.09.2000

PRIORITY DETAILS : 9806440.5 & 9822277.1 Dt. 26.03.1998 & 14.10.1998 OF U.K.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

## 31- CLAIMS

An unleaded formulated motor gasoline having a MON of 80 to less that 98 consisting of :

(i) at least one motor gasoline additive selected from anti- oxidants, corrosion inhibitors, anti-icing additives, engine detergent additives, anti-static additives, metal deactivators, surface ignition inhibitors, combustion improvers, anti valve seat recession additives and colouring agents, the total amount of additives being 1 – 1000 ppm; and

(ii) a base blend composition having a MOTOR OCTANE NUMBER (MON) of at least 80, said base blend composition comprising component (a) at least 5% (by volume of the total composition) of at least one hydrocarbon having the following formula I

$R\text{-}CH_2\text{-}CH(CH_3)\text{-}C(CH_3)_2\text{-}CH_3$ I

Wherein R is hydrogen or methyl
And component (b) at least one saturated liquid aliphatic hydrocarbon having 4 to 12 carbon atoms, and optionally, one or more of (c ) at least one olefin which is an alkene of 5 – 10 carbons, with a MON value of 70-90 in amount of 1-30% preferably 5 – 20% by volume (d) at least one aromatic compound of MON value 90 – 110, in amount of 2 – 40% especially 3 – 28% (by volume) and (e) at least one oxygenate octane booster of MON value of at least 96 – 105 amount of 1 – 25% by volume.

**COMPLETE SPECIFICATION : 33 PAGES DRAWINGS: NIL SHEETS**

| | | |
|---|---|---|
| IND. CL. | : | 170 D |
| INT. CL. | : | C 11 D 11/00, D 06 L |

**194482**

| | | |
|---|---|---|
| TITLE | : | PROCESS AND COMPOSITION FOR LAUNDERING OF TEXTILE FABRICS. |
| APPLICANT | : | HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA, INDIA. AN INDIAN COMPANY. |
| INVENTORS | | 1. BIRD NIGEL PETER<br>2. HOWELL, IAN<br>3. NEILLIE, WILLIAM FREDERICK SOUTAR<br>4. RAO, GIRISH<br>5. WALKER, GRAHAM |
| INTERNATIONAL APPLICATION NO | : | --------- |
| INDIAN APPLICATION NO. | : | 1128 MUM 2000 DATED 15.12.2000 |
| PRIORITY NO. | : | 9929833.3 DATED 16.12.1999 OF U.K. |

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 15 CLAIMS

A process for the laundering of textile fabrics, which comprises:

(i) a wash step in which the fabrics are immersed in an aqueous wash liquor comprising a detergent surfactant, a detergency builder and optionally other detergent ingredients; and

(ii) (ii) a rinse step in which the fabrics are immersed for at least 30 seconds in an aqueous rinse liquor substantially free of surfactant and comprising a detergency builder in a concentration within the range of from 0.1 to 10 g/l.

Comp.specn. 13 pages

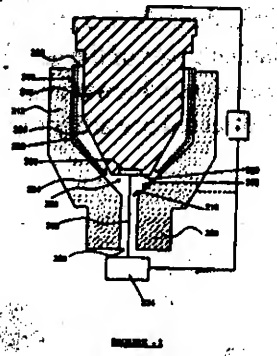
Drawings: Nil

| | | |
|---|---|---|
| **IND. CL.** | : | 129Q **194483** |
| **INT. CL.** | : | H 05 H 1/34,1/38 |
| **TITLE** | : | A HEAD FOR A PLASMA ARC TORCH. |
| **APPLICANT & INVENTOR** | : | HUGHEN GERRARD THOMAS OF EL-55, M.I.D.C. BHOSARI, PUNE 411 026, MAHARASHTRA, INDIA. AN INDIAN NATIONAL. |
| **INTERNATIONAL APPLICATION NO** | : | ---------- |
| **INDIAN APPLICATION NO.** | : | 451/BOM/1999 DATED 16.06.1999 |

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 02 CLAIMS

A head for a plasma arc torch consisting of an electrode (216), a tapered nozzle (212) and a swirl (222) in which the swirl is defined by a hollow body of insulated, higher temperature resistant material with a conical end, the outer wall (254) of the swirl body being complementary to inner wall of the conical end (228) of the nozzle; the inner wall (252) of the swirl body being complementary to the outer wall (254) of the side walls of the conical end of the electrode and the electrode is fitted in the swirl so that the conical tapered end of the electrode and the inner tapered wall of the swirl abut each other and the tapered outer wall of the swirl and the tapered inner wall of the conical end of the nozzle abut each other so that the electrode is centered with reference to the nozzle orifice.



Comp.Specn. 6 pages

Drawings : 2 sheets

IND. CL. : 85 C 194484
141 E

INT. CL. : $F_2$7 B 21/06
C 21 D 1/767

TITLE : A SYSTEM AND METHOD FOR HEATING GAS IN A GAS CIRCULATION DUCT FOR CONTINUOUSLY OPERATED SINTERING.

APPLICANT : OUTOKUMPU OYJ,
OF RIIHITONTUNTIE 7,
FIN-02200 ESPOO,FINLAND,
A FINNISH PUBLIC LIMITED COMPANY.

INVENTOR : 1) NIEMELA, PEKKA
2) VAANANEN, EERO
3) PIRTTIMAA, JOUKO
4) TULKKI, OLAVI

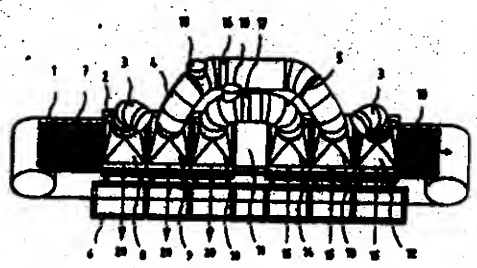
INTERNATIONAL APPLICATION NO : ————

INDIAN APPLICATION NO. : 248/MUMNP/2003 DATED 20.02.2003

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 15 CLAIMS

A system for heating gas in a gas circulation duct (4, 5) for continuously operated sintering comprising a sintering furnace (2), a sintering belt (1) rotating inside said furnace and at least one gas circulation duct (3, 4, 5) from which the gas is fed though the sintering belt, characterized in that a part of the gas circulation duct (4, 5) placed above the sintering belt (1), is formed as a burner ring (16, 17), burner ring comprising at least two burner units (21) directed inwardly from the circumference of the gas circulation duct.



COMPLETE SPECIFICATION : 11 PAGES

DRAWINGS: 03 SHEETS

FIGURE - 1

194485

IND. CL. : 164 C

INT. CL. : C 05 F 9/04, 17/02
C 02 F 3/28, 11/04

TITLE : METHOD AND APPARATUS FOR TREATING ANAEROBICALLY BIODEGRADABLE WASTE.

APPLICANT : RESOURCE EET (CYPRUS) LTD.,
OF 7, IFIGENIAS STREET, ACROPOLIS,
2007,NICOSIA, CYPRUS,
A CYPRUS COMPANY.

INVENTOR : PETER HOOD

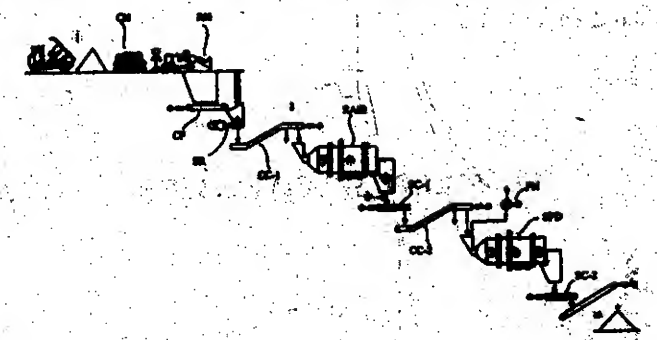
INTERNATIONAL APPLICATION NO : ————

INDIAN APPLICATION NO. : 134/MUM/2002 DATED 14.02.2002

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

**19 CLAIMS**

A method of treating anaerobically biodegradable waste comprising the steps of comminuting the waste by chopping and/or shredding; feeding the comminuted waste to a digester; anaerobically digesting the waste by rotating the digester at a controlled slow speed to perform anaerobic thermophilic digestion in an oxygen deprived environment at an elevated self generated temperature resulting from the decomposition of the waste ; extracting at least 50 per cent of the moisture from the decomposed waste by feeding the decomposed waste from the digester to a vapor extracting rotating drum having an extractor fan; maturing the decomposed and moisture reduced waste by post aeration and turning to produce compost or green coal.



COMPLETE SPECIFICATION : 27 PAGES

DRAWINGS: 2 SHEETS

| | | |
|---|---|---|
| **IND. CL.** | : | 70 B **194486** |
| **INT. CL.** | : | C 25 C 7/02 |
| **TITLE** | : | METHOD FOR MANUFACTURING OF A CATHODE SUSPENSION BAR. |
| **APPLICANT** | : | OUTOKUMPU OYJ,<br>OF RIIHITONTUNTIE 7,<br>FIN-02200 ESPOO, FINLAND,<br>A FINNISH PUBLIC LIMITED COMPANY. |
| **INVENTOR** | : | MARTTILA TOM |
| **INTERNATIONAL APPLICATION NO** | : | PCT/FI99/00782 |
| **INDIAN APPLICATION NO.** | : | IN/PCT/2001/00284/MUM DATED 13/03/2001 |
| **PRIORITY NO.** | : | 982060 DATED 24/09/1998 OF FINLAND |

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003), PATENT OFFICE, MUMBAI - 13.**

**17 CLAIMS**

A method for manufacturing a suspension bar a permanent cathode used in an electrolysis of metals, wherein the suspension bar is made of a rigid metal outer jacket and a highly electroconductive inner part inside it, after which the outer jacket is removed at least from one end of the bar, characterized in that a refined steel outer jacket and a highly electroconductive core are in close contact with each other, wherein the parts of the bar are joined to each other by drawing, upsetting, melting or casting.

**COMPLETE SPECIFICATION : 11 PAGES DRAWINGS: NIL**

| | | |
|---|---|---|
| **IND. CL.** | : | 12 D **194487** |
| **INT. CL.** | : | C 22 F 1/08, 1/02 |
| **TITLE** | : | PROCESS FOR PRODUCING ARTICLES WITH STRESS-FREE SPLIT EDGES. |
| **APPLICANT** | : | OUTOKUMPU OYJ OF RIHITONTUNTIE 7, FIN 02200 ESPOO, FINLAND, A FINNISH PUBLIC LIMITED COMPANY. |
| **INVENTORS** | : | 1. KAMF, ANDERS<br>2. WOJNICZ, LAWRENCE |
| **INTERNATIONAL APPLICATION NO** | | PCT/IB 99/01869 |
| **INDIAN APPLICATION NO.** | : | IN/PCT/2001 00549/MUM |
| **PRIORITY NO.** | : | 09/203,194 DATED 30.11.1998 OF U.S.A. |

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 14 CLAIMS

A process for producing articles with stress-free slit edges, which method comprises slitting a copper based sheet to produce strips of the copper-based material, heating the strips in a furnace under a protective atmosphere at a temperature of from about 200- 250° C for a period of time to free the strip of stresses, and cooling strips to room temperature.

Comp.specn.9 pages Drawings: Nil sheets

| | | |
|---|---|---|
| **IND. CL.** | : | 88 F **194488** |
| **INT. CL.** | : | F 27 D 17/00, B01-D 47/06,C 21 B 7/22 |
| **TITLE** | : | METHOD FOR COOLING THE GAS FLOWN IN A SMELTING FURNACE. |
| **APPLICANT** | : | OUTOKUMPU OYJ OF RIIHITONTUNTIE 7, FIN 02200 ESPOO, FINLAND, A FINNISH PUBLIC LIMITED COMPANY. |
| **INVENTORS** | : | 1. JALONEN, ANTTI<br>2. SAARINEN, RISTO |
| **INTERNATIONAL APPLICATION NO** | | PCT/FI00/000432 DATED12.05.2000 |
| **INDIAN APPLICATION NO.** | : | IN/PCT/2001/01421/MUM DATED 15.11.2001 |
| **PRIORITY NO.** | : | 991192 DATED 26.05.1999 OF FINLAND. |

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 08 CLAIMS

A method to prevent pulverized solid matter flowing with an exhaust gas flow of a smelting furnace from sintering at the exhaust gas outlet of the smelting furnace and in the after-treatment equipment, characterized in that the solid matter contained in the exhaust gas flow is cooled to below its melting point in the smelting furnace before the gas exits from the furnace.

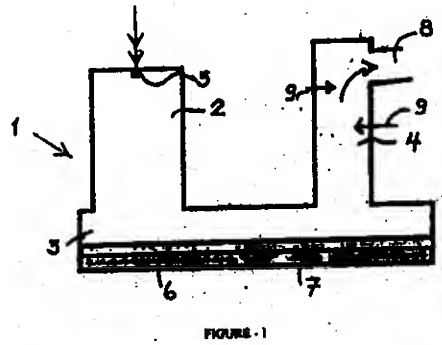



FIGURE - 1

Comp. specn. 7 pages Drawings: 1 sheet

194489

IND. CL. : 85 P.

INT. CL. : C 22 B 1/10
B 01 J 8/44

TITLE : METHOD FOR REGULATING A ROASTING FURNACE.

APPLICANT : OUTOKUMPU OYJ,
OF RIIHITONTUNTIE 7,
FIN-02200 ESPOO,FINLAND,
A FINNISH PUBLIC LIMITED COMPANY.

INVENTOR : SIIRILA, HEIKKI

INTERNATIONAL APPLICATION NO : PCT/FI01/00260 DATED 16/03/2001

INDIAN APPLICATION NO. : IN/PCT/2002/01173/MUM DATED 27/08/2002

PRIORITY NO. : 20000608 DATED 16/03/2000 OF FINLAND

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

**14 CLAIMS**

A method for regulating roasting furnace conditions in a roasting furnace having a fluidized bed in which a material for roasting is calcined, comprising feeding the material for roasting into the furnace at a location above the fluidized bed, feeding a fluidizing roasting gas through nozzles within a main grate located at the bottom of the furnace to fluidize the material the material for roasting, removing from the furnace at least some of the calcined material through an overflow aperture located at the top of the fluidized bed, separating off part of the roasting furnace main grate, within the same section of the furnace that the overflow aperture is located and below the overflow aperture, to form a separate section, an overflow grate, and feeding fluidizing roasting gas through nozzles within the overflow grate at a rate that is independent of the rate that fluidizing roasting gas is fed though the nozzles within the main grate.

COMPLETE SPECIFICATION : 08 PAGES DRAWINGS: NIL

IND. CL. : 198C[XXXIV(5)]

**194490**

INT. CL. : B01B 11/04
B01D 17/02

TITLE : AN APPARATUS FOR PREVETION OF AERATION.

APPLICANT : OUTOKUMPU TECHNOLOGY OY,
RIIHITONTUNTIE 7,
FIN-02200 ESPOO,
FINLAND,
A FINNISH JOINT-STOCK COMPANY

INVENTOR : 1. BROR NYMAN
2. LAUNO LILJA
3. STIG-ERIK HULTHOLM
4. JUHANI LYYRA
5. RAIMO KUUSISTO
6. PETRI TAIPALE
7. TIMO SAARENPAA

INTERNATIONAL APPLICATION NO : ----------

INDIAN APPLICATION NO. : 215/MUM/2002 DATED 06/03/2002

**DIVISIONAL TO 269/BOM/1997 DATED 29/04/1997**

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003) PATENT OFFICE BRANCH, MUMBAI - 13.**

**07 CLAIMS**

An apparatus for preventing aeration of two gravity separable liquid solutions obtained from a liquid-liquid extraction comprising a settler for separating said solutions of different densities, a lighter solution extract solution chute, a weir box connected to said chute, said weir box having sidewalls, said weir box being deeper than said chute and a transfer pipe of said weir box being connected to a lower part of a sidewall of said weir box, a heavier solution discharge end, a weir box connected to said discharge end and a transfer pipe of he heavier solution connected to a lower part of a sidewall of said weir box.

COMPLETE SPECIFICATION : 15 PAGES

DRAWINGS: 06 SHEETS

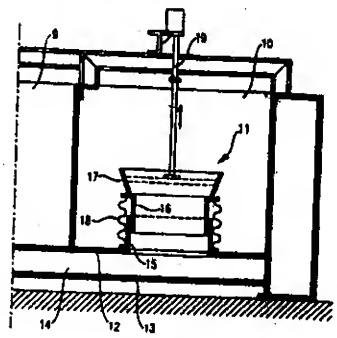



FIGURE - 2

**IND. CL.** : 52 A, 127 I **194491**

**INT. CL.** : B 26 D 7/26, B 29 C 65/18

**TITLE** : ROTARY CUTTING AND/OR SEALING MECHANISMS.

**APPLICANT** : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MUMBAI- 400 020, MAHARASHTRA, INDIA. AN INDIAN COMPANY.

**INVENTORS** :
1. BLUNDELL FRANCIS BRIAN
2. CAHILL JOHN MICHAEL
3. FINCHAM RICHARD KEVIN
4. FRANKLIN PAUL
5. VERNON WILLIAM GEOFFREY
6. WILLETT ERNEST PETER

**INTERNATIONAL APPLICATION NO** : ----------

**INDIAN APPLICATION NO.** : 534 BOM 1999 DATED 28.07.1999

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 21 CLAIMS

A rotary mechanism comprising:

at least one pair of rotors (2a, 2b) mounted on spaced, parallel axes of rotation (8) and rotatable on said axes (8) in opposite directions to each other,

each rotor having a plurality of radially projecting arms (4),

radially outer faces on said arms (4) of each rotor directed away from the axis of rotation of said rotor,

the radially outer faces of said pair of rotors being brought together-in juxtaposition by said rotation of the rotors,

at least one of sealing means (20) and cutting (42,44) means at said raidally outer faces for engaging web material between the juxtaposed outer faces to seal and/or cut said web material,

and bearer means(24) on opposite end regions of said outer faces for contact with each other when said outer faces come together,

the cutting and/or sealing means(42,44,20) being disposed between the bearer means (24) on each face whereby said contact of the bearer means(24) sets a spacing between the cutting and/or sealing means(42,44,20) on the respective faces,

characterized in that at one end region of the juxtaposed outer faces, the bearer means (42) comprise locating elements (28,30) positioning the faces in the direction of the axes of rotation of the pair of rotors, and

at the opposite end region of said faces the bearer means (24) comprise bearing elements (32) permitting relative movement in said axial direction.

Comp.specn. 26 pages Drawings: 04 sheets

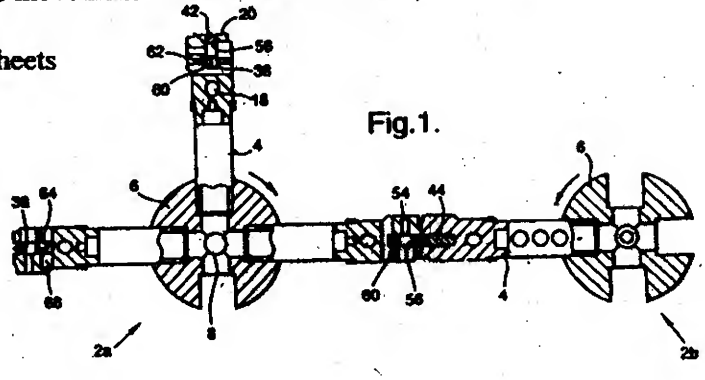



Fig.1.

IND. CL. : 170 B + D **194492**

INT. CL. : C 11 D 3/395
D 06 L 3/02, 3/39

TITLE :

DETERGENT BLEACHING COMPOSITIONS.

APPLICANT : HINDUSTAN LEVER LIMITED.,
HINDUSTAN LEVER HOUSE,
165/166, BACKBAY RECLAMATION,
MUMBAI-400 020, MAHARASHTRA,
INDIA, AN INDIAN COMPANY.

INVENTOR :
1. DELROISSE, MICHEL GILBERT JOSE
2. FERINGA, BERNARD LUCAS
3. HAGE, RONALD
4. HERMANT, ROELANT MATHIJS
5. KALMEIJER, ROBERTUS EVERARDUS
6. KOKE, JEAN HYPOLITES
7. LAMERS, CHRISTIAAN
8. RISPENS, MINZE THEUNIS
9. RUSSELL, STEPHEN WILLIAM
10. VLIET, RONALDUS THEODORUS LEONARDUS VAN
11. WHITTKER, JANE

INTERNATIONAL APPLICATION NO : -------

INDIAN APPLICATION NO. : 749/BOM/1999 DATED 02/11/1999

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003), PATENT OFFICE, MUMBAI - 13.**

## 20CLAIMS

A detergent bleaching composition comprising:

a peroxy bleaching compound;
a surface-active material; and
a compound of the general formula (A):

$$[\{M'_aL\}_bX_c]^zY_q \qquad (A)$$

in which

M' represents hydrogen or a metal selected from Ti, V, Co, Zn, Mg, Ca, Sr, Ba, Na, K, and Li;

X represents a coordinating species;

a represents zero or an integer in the range from 0 to 5;

b represents an integer in the range from 1 to 4;

c represents zero or an integer in the range from 0 to 4;

z represents the charge of the compound and is an integer which can be positive, zero or negative;

Y represents a counter ion, the type of which is dependent on the charge of the compound;

q = z/[charge Y];

L represents a pentadentate ligand of general formula (B):

$$R^1R^1N\text{-}W\text{-}NR^1R^2 \qquad (B)$$

Wherein

Each $R^1$ independently represents $-R^3$-V, in which $R^3$ represents optionally substituted alkylene, alkenylene, oxyalkylene, aminoalkylene or alkylene ether, and V represents an optionally substituted heteroaryl group selected from pyridinyl, pyrazinyl, pyrazolyl, imidazolyl, benzimidazolyl, pyrimidinyl, triazolyl thiazolyl;

W represents an optionally substituted alkylene bridging group selected from

$-CH_2CH_2-$, $-CH_2CH_2CH_2-$, $-CH_2CH_2CH_2CH_2-$, and $-CH_2-C_6H_4-CH_2-$;

$R^2$ represents a group selected from alkyl and aryl, optionally substituted with a substituents selected from hydroxy, alkoxy, carboxylate, carboxamide, carboxylic ester, sulphonate, amine, alkylamine or $N^+(R^4)_3$, wherein $R^4$ is selected from hydrogen, alkanyl, alkenyl, arylalkanyl, arylalkenyl, oxyalkanyl, aminoalkanyl, aminoalkenyl, alkenyl ether and alkenyl ether.

**COMPLETE SPECIFICATION : 33 PAGES DRAWINGS: NIL**

IND. CL. : 197 ; 153

**194493**

INT. CL. : A 47 L 11/26, 13/10; 13/258, 15/04; 15/44, 17/00

TITLE : A HARD SURFACE CLEANING SYSTEM

APPLICANT : HINDUSTAN LEVER LIMITED,
HINDUSTAN LEVER HOUSE,
165-166 BACKBAY RECLAMATION,
MUMBAI – 400 020,
MAHARASHTRA, INDIA,
AN INDIAN COMPANY.

INVENTOR : 1. NIKHILESHWAR MUKHERJEE
2. EARLA SAIKUMAR

INTERNATIONAL APPLICATION NO : ----------

INDIAN APPLICATION NO. : 355/BOM/1999 DATED 11/05/1999

**COMPLETE AFTER PROVISIONAL SPECIFICATION FILED ON 09/05/2000**

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

**08 CLAIMS**

A hard surface cleaning system comprising an applicator and a cleaning composition in the form of cleaning bar housed therein, said cleaning bar being a solid bar or block having a predetermined level of one or more surfactants, abrasive, said applicator comprising (i) a body means defining a hollow space wherein the cleaning bar is movably housed and (ii) an actuating means for moving the bar in and out of said body means such that in use the applicator body is held in the hand of the user and the cleaning bar protrudes out of the said body means to be in contact with the surface to be cleaned.

**PROVISIONAL SPECIFICATION : 09 PAGES** **DRAWINGS: 01 SHEETS**
**COMPLETE SPECIFICATION : 11 PAGES** **DRAWINGS: 01 SHEETS**

IND. CL. : 190 C **194494**

INT. CL. : F 03 B 17/00,
E 02 B 9/00

TITLE : UPWARD FLOW TURBINE FOR ULTRA LOW HEAD HYDEL POWER STATION

APPLICANT : GODBOLE PRABHAKAR DAMODAR
2/B, BUTY PLOTS,
DHARAMPETH, NAGPUR – 440 010,
MAHARASHTRA, INDIA
AN INDIAN CITIZEN

INVENTOR : - IDEM -

INTERNATIONAL APPLICATION NO : ----------

INDIAN APPLICATION NO. : 944 MUM 2001 DATED 28/09/2001

PRIORITY NO. : ----------

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 05 CLAIMS

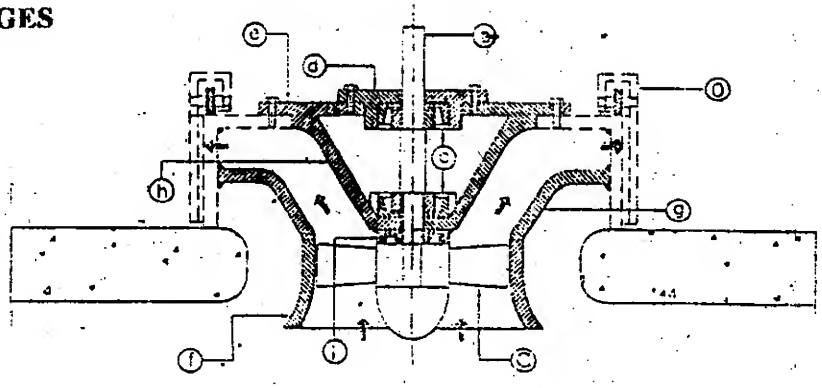
1) An upward flow turbine with draft tube for use on ultra low head hydel power stations comprising of

i. turbine unit consisting of rotor, turbine shaft, turbine shaft support bearings, shaft support plate, turbine stator and shaft seal
ii. draft tube consisting of two conical shells, which forms the boundaries of the draft tube

wherein these two boundaries provide gradually expanding cross section to the outflow from the turbine.

**COMPLETE SPECIFICATION : 05 PAGES**

**DRAWINGS: 03 SHEETS**



**IND. CL.** : 195 D **194495**

**INT. CL.** : E 02 B 9/06
F 16 K 21/00

**TITLE** : DIVERSION CUM SHUT-OFF VALVE FOR HYDEL POWER STATIONS

**APPLICANT** : GODBOLE PRABHAKAR DAMODAR
2/B, BUTY PLOTS, DHARAMPETH,
NAGPUR – 440 010,
MAHARASHTRA, INDIA
AN INDIAN CITIZEN

**INVENTOR** : - IDEM -

**INTERNATIONAL APPLICATION NO** : ————————

**INDIAN APPLICATION NO.** : 770 MUM 2002 DATED 26/08/2002

**PRIORITY NO.** : ————————

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 01 CLAIMS

1) A diversion cum shut-off valve for Hydel Power Stations comprising a stator and a rotor, the stator comprising of a cylindrical piece of pipe closed at both its ends by dish shaped end plates, the cylindrical piece of pipe being provided with three rectangular or circular ports for entry and exit of water, the dish shaped end plates being provided with bush bearings and the rotor comprising of two cylindrically bent strips attached to two circular end plates, the bent strips being provided with rubber seals and the end plates being provided with two stub axles, the stub axles being rotating in and supported by the bearings provided in the end plates of the stator.

**COMPLETE SPECIFICATION : 05 PAGES**

**DRAWINGS: 03 SHEETS**

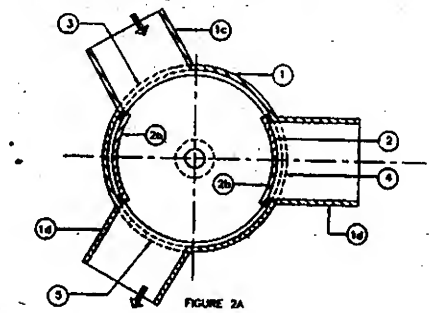


FIGURE 2A

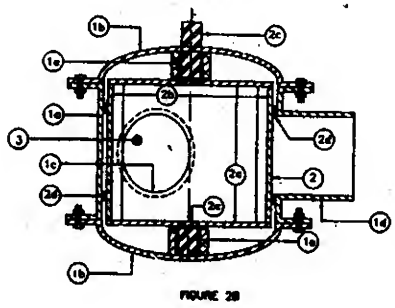


FIGURE 2B

194496

**IND. CL.** : 101 H

**INT. CL.** : E 02 B 7/00
E 02 B 7/40
E 02 B 7/46

**TITLE** : AUTOMATIC GATE FOR OGEE SPILLWAYS

**APPLICANT** : GODBOLE PRABHAKAR DAMODAR
2/B, BUTY PLOTS,
DHARAMPETH, NAGPUR – 440 010,
MAHARASHTRA, INDIA
AN INDIAN CITIZEN

**INVENTOR** : - IDEM -

**INTERNATIONAL APPLICATION NO** : ————

**INDIAN APPLICATION NO.** : 284 MUM 2001 DATED 27/03/2001

**PRIORITY NO.** : ————

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 03 CLAIMS

1) An automatic gate for ogee spillways comprising of:

i. a gate leaf consisting of a pair of vertical end girders, horizontal beams, two skin plates on upstream and downstream faces of the gate respectively wherein the profiles of upper and lower skin plates of the gate leaf become collinear to the streamlines of flow over ogee spillway in gate fully open position;

ii. a pair of fulcrum assemblies consisting of an upper cylindrical rolling surface attached to the end girder of the gate leaf, a lower cylindrical rolling surface, a lower link bracket attached to end girder of the gate leaf and upper link bracket;

iii. a gate supporting structure made out of the structural steel portal frames embedded in the main body wall of the spillway;

iv. a hoisting system consisting of hoisting levers, actuating levers, connecting links, axles and gate brackets configured in such a manner so as to enable manual opening and closing of gate by means of hydraulic jack supported at its base by a suitable bracket fixed on the inspection bridge.

**COMPLETE SPECIFICATION : 08 PAGES**

**DRAWINGS: 11 SHEETS**

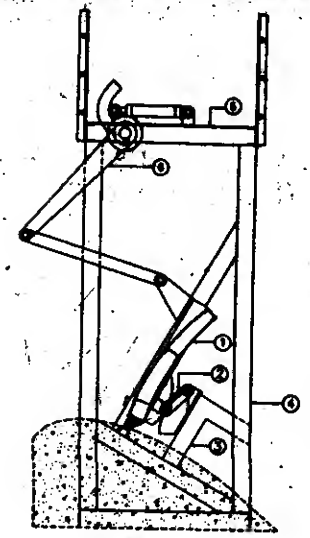


FIGURE 7

IND. CL. : 48 A(4) **194497**

INT. CL. : C 08 L 69/00,

TITLE : FLAME RETARDANT THERMOPLASTIC MOULDING COMPOUND.

APPLICANT : BAYER AKTIENGESELLSCHAFT
A GERMAN COMPANY OF D-51368.
LEVERKUSEN,
GERMANY.

INVENTOR : 1) THOMAS ECKEL
2) MICHAEL ZOBEL
3) DIETER WITTMANN
4) NIKOLAUS JANKE

INTERNATIONAL APPLICATION NO : PCT/EP 99/00024/ DATED 05.01.1999

INDIAN APPLICATION NO. : IN/PCT/2000/00102/ MUM DATED 19.06.2000

PRIORITY NO. : 19801198.9 DATED 15.01.1998 OF GERMANY

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 18 CLAIM

1.A flame- retardant thermoplastic moulding composition containing

A. 5 to 95 parts by weight of an aromatic polycarbonate or polyestercarbonate

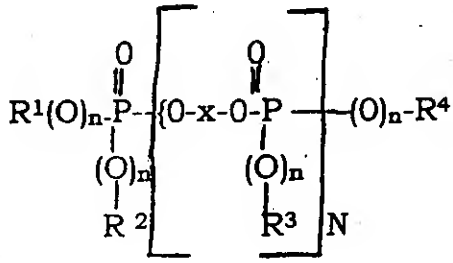
B. 0.5 to 60 pats by weight of at least one graft polymer of

B.1 95 to 5 wt.% of one or more viny1 monomers on

B.2 95 to 5 wt.% of one or more graft substrateswith a glass transition temperature <100C

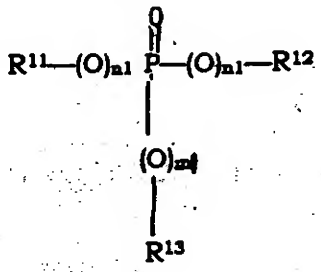
C. 0 to 45 parts by weight of a thermoplastic viny1 comphoruer,

D. 0.5 to 20 parts by weight of at least one phosphorous compound of general formula (I)



Wherein

$R^1$, $R^2$, $R^3$ and $R^4$, independently of each other, each represent $C_1$ to $C_8$ - alkyl, $C^5$ to $C_6$ cycloalkyl, $C_6$- to $C_{20}$-aryl or $C_7$ to $C_{12}$- aralkyl, which are optionally halogenated,,
n represents 0 or 1, which are independent of each other,
N is an average number 5 to 30,
X represents a mono – or polynuclear aromatic radical containing 6 to 30 carbon atoms,
E 0 to 5 parts by weight of a fluorinated polyolefin, and
F. 1 0.5 to 40 parts by weight of a very finely divided inorganic powder with an average particle diameter of less than or equal to 200 nm, and/or
F.2 0.5 to 20 parts by weight of a monophosphorus compound of formula (1A)



(IA)

Wherein

$R^{11}$, $R^{12}$ and $R^{13}$, independently of each other, denote $C_1$ to $C_8$ - alkyl, which is optionally halogenated, or $C_6$- to $C_{20}$-aryl, which is optionally halogenated,
ml denotes 0 or 1, and
nl denotes 0 or 1,
wherein the sum of all the parts by weight of all the components is 100.

IND. CL. : 206 B

194498

INT. CL. : H 04 Q 7/02

TITLE : A TELECOMMUNICATIONS SYSTEM AND METHOD FOR CONNECTING A MOBILE SUBSCRIBER TERMINAL TO A SERVICE NODE.

APPLICANT : TELEFONAKTIEBOLAGET LM ERICSSON (PUBL.)
S- 126 25 STOCKHOLM, SWEDEN
A SWEDISH COMPANY

INVENTOR : 1) HANS PER AKE WILLARS
2) JUHANI ARI JOUPPILA
3) RAUL ARNE SODERSTROM

INTERNATIONAL APPLICATION NO : PCT/SE99/00127 DATED 29/01/1999

INDIAN APPLICATION NO. : IN/PCT/2000/00263/MUM DATED 04/08/2000

PRIORITY NO. : 09/019,063 DATED 05/02/1998 OF U. S. A.

**APPROPRIATE OFFICE FOR OPPOSITION RROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 11 CLAIMS

1) A telecommunications system for connecting a mobile subscriber terminal to a service node, said system comprising:

- a Mobile Services Center in radio communication with said mobile subscriber terminal and in wireline communication with said service node;
- radio call control means within both said Mobile Services Center and said mobile subscriber terminal, said radio call control means coordinating said radio communication therebetween; and
- service call control means within both said Mobile Services Center and said mobile subscriber terminal, said service call control means coordinating said wireline communication with said service node, said service call control means within said Mobile Services Center being connected to said radio call control means therein, and said service call control means within said mobile subscriber terminal being disconnected from said radio call control means.

COMPLETE SPECIFICATION : 15 PAGES

DRAWINGS: 01 SHEETS

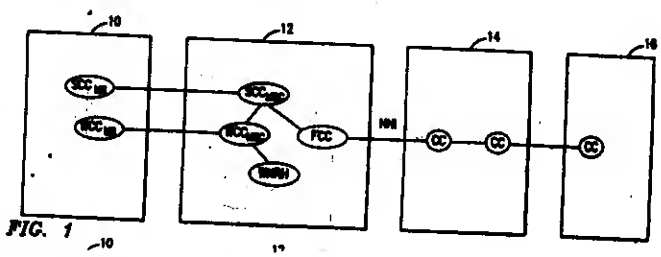



FIG. 1

194499

IND. CL. : 144 E 4

INT. CL. : C 25 D 13/06

TITLE : AN APPARATUS FOR THE DEPOSITION OF PROTECTIVE BARRIER POLYMER COATING ON THE SURFACE OF THE SUBSTRATE AND THE PROCESS THEREOF

APPLICANT : INSTITUTE FOR PLASMA RESEARCH
B-15-17/P, SECTOR-25,
GIDC ELECTRONICS ESTATE,
GANDHINAGAR - 382 044,
GUJARAT, INDIA

INVENTOR : 1) SUDHIR KUMAR NEMA
2) SUBROTO MUKHERGEE
3) PUCADYIL ITTOOP JOHN

INTERNATIONAL APPLICATION NO : ----------

INDIAN APPLICATION NO. : 303 BOM 1999 DATED 22/04/1999

PRIORITY NO. : ----------

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

**19 CLAIMS**

1) An apparatus for the deposition of protective barrier polymer coating on the surface of the substrate or substrates as herein described comprising a partial vacuum chamber, having inlet means for the vacuum pumping system in the said vacuum chamber, an inlet for the introduction of gases inside the said partial vacuum chamber, a pair of electrodes placed apart to accommodate the said substrate in the said partial vacuum chamber wherein the lower electrode acts as cathode and another electrode in the form of a thin wire having a very small effective surface area as compared to the cathode in the range of 1:100 is placed around the center of the said vacuum chamber acting as constricted anode, an insulating means mounted on the said cathode, a base for mounting the substrate to becoated placed over the said insulating means and a power supply means connected to the said constricted anode and said cathode wherein a multipoint feeding system is provided at the said inlet to get the uniform intruding of the said substrates.

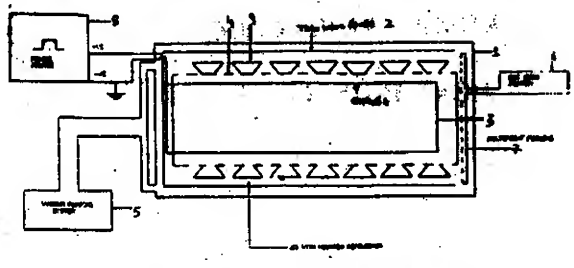


FIG: PLASMA COATING SISTEM WITH ROTATIONAL ARRANGEMENT

COMPLETE SPECIFICATION : 15 PAGES

DRAWINGS: 03 SHEETS

| | | |
|---|---|---|
| IND. CL. | : | 32 F 2 |
| | | 194500 |
| INT. CL. | : | C09B 67/02 |
| TITLE | : | A PROCESS FOR MANUFACTURING SPHEROIDAL FOOD DYES |
| APPLICANT | : | ROHA DYECHEM PRIVATE LIMITED,<br>AN INDIAN COMPANY,<br>12, ABHISHEK 303/307,<br>SAMUEL STREET,<br>MUMBAI : 400 003,<br>MAHARASHTRA, INDIA |
| INVENTOR | : | TIBREWALA RAMAKANT JAGDISHPRASAD |
| INTERNATIONAL APPLICATION NO | : | PCT/IN00/00134 DATED 29/12/2000 |
| INDIAN APPLICATION NO. | : | 265 MUMNP 2003 DATED 28/02/2003 |

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

**09 CLAIMS**

1) A process of manufacturing dustless, porous and uniform spheroidal shaped food dye granules comprising of the following steps:

i) Mixing the powdered food color in liquid media to form the desired wet mix at pre-maintained temperature level,

ii) Charging the premixed food color into the Radial Noodler fitted with a perforated roller assembly with an in-built adjustable cutter to obtain uniform sized noodles.

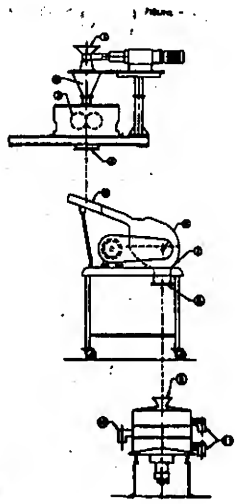
iii) Gravity charging the uniform, size noodles into the Spheroidizer at pre- maintained temperature level containing a bowl with a rotatory chequered plate bottom, wherein the noodles are subjected to a centrifugal action and impact forces rotating at the rate of 500 rpm to 1500 rpm. This makes the noodles to continuously collide against the wall of the bowl and return towards the center of the chequered plate and again on to the wall of the bowl, thus transforming the noodle into spheroidal shaped granules.

iv) Drying the uniform sized spheroidal shaped food dye granules.

v) Using the raw materials selected from FD & C dyes, D & C dyes Acid dyes, artificial dyes and blendes of artificial dyes.

**COMPLETE SPECIFICATION : 20 PAGES**

**DRAWINGS: 05 SHEETS**



IND. CL. : 32 B **194501**

INT. CL. : C 07 C 51/16, 51/255

TITLE : **PROCESS FOR PREPARATION OF BENZENE DICARBOXYLIC ACIDS**

APPLICANT : CHEMINTEL INDIA PRIVATE LIMITED.,
OF POST BOX NO. 1299,
UDHNA 394 210, SURAT,
GUJARAT, INDIA,
AN INDIAN COMPANY.

INVENTOR : 1. KULSRESTHA GIRENDRA NARAIN
2. SAXENA MAHENDRA PRATAP
3. GUPTA ASHOKKUMAR
4. SHARMA SATISH KUMAR
5. BANGWAL DINESH PRASAD
6. GOYAL HARI BHAGWAN
7. PRASAD RAMESHWAR
8. MALL SANJIB
9. PATEL PRAKASH D.

INDIAN APPLICATION NO. : 846/BOM/1999 DATED 29/11/1999

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003), PATENT OFFICE, MUMBAI - 13.**

## 04 CLAIMS

A process for the preparation of benzene-dicarboxylic acid by liquid phase oxidation of xylene isomer comprising:-

oxidizing a xylene isomer with air or oxygen in an autoclave at a pressure of 5-80 kg/cm$^2$ and temperature ranging between 100-150°C in the presence of an acetic acid solvent, a cobalt salt catalyst in the ratio of 5.0 to 25 mole percent of said xylene feed and an initiator in proportions of 0.05 to 1 mole per mole of the said catalyst, for a period of 1 to 6 hours to form a reaction mixture;

flashing the said reaction mixture to remove volatile substances, followed by cooling to 20-40°C and filtering/centrifuging to get crude benzene dicarboxylic acid as solid product and filtrate;

recrystallizing the said crude benzene dicarboxylic acid to get at least 99% pure benzene dicarboxylic acid; in the presence of a solvent selected from methanol, ethanol, water or acetic acid; and

optionally re0cycling the said filtrate with less than 1% water and containing said solvent, said catalyst and said intermediates as well as organics and unreacted xylene.

COMPLETE SPECIFICATION : 12 PAGES DRAWINGS: 04 SHEETS

IND. CL. : 150 D+E+H **194502**

INT. CL. : B 29 C 65/16, 65/14
B 23 K 26/06, 26/00, 26/14

TITLE : LASER JOINING METHOD AND A DEVICE FOR JOINING DIFFERENT WORKPIECES MADE OF PLASTIC OR JOINING PLASTIC TO OTHER

APPLICANT : LEISTER PROCESS TECHNOLOGIES,
OF RIEDSTRASSE, CH-6060,
SARNEN, SWITZERLAND,
A SWISS COMPANY.

INVENTOR : JIE-WEI CHEN

INDIAN APPLICATION NO. : 881/BOM/1998 DATED 01/12/1999

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003), PATENT OFFICE, MUMBAI - 13.**

## 16 CLAIM

A laser joining method of joining different workpieces made of plastic, or joining plastic to other materials, which comprises: making a top workpiece of a material that is transparent to the laser beam facing a laser source with a laser beam; making a second workpiece of a material that is absorbent for the laser beam so that the adjacent contact surfaces of the two workpieces being to melt and are bonded together in the subsequent cooling under pressure; including the step of arranging a mask of a material that is impermeable for the laser beam adjacent to the workpieces between the laser source and the workpieces to be joined for bonding the workpieces in a joining area of the contact surface; wherein the structure of said mask is larger than the wavelength of the laser beam used, and the laser source is directed at the contact surfaces to provide an essentially vertical laser beam curtain at essentially a right angle through the mask in such a way that a laser line joining area is formed on said contact surfaces, heating and joining the workpieces by moving the laser beam and the workpieces relative to each other to move the laser line and to provide an extended joining area, wherein the laser beam is arranged at a right angle above the joining area of the contact surfaces, and wherein a liner laser beam is created by at least one semiconductor laser.

COMPLETE SPECIFICATION : 15 PAGES

DRAWINGS: 06 SHEETS

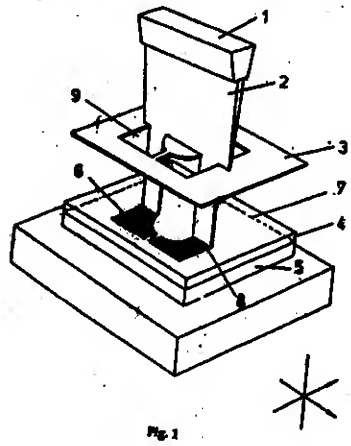



Fig. 1

**IND. CL.** : 173 A **194503**

**INT. CL.** : B 05 B 11/00, 1/34

**TITLE** : SPRAY HEAD FOR A FLUID DISPENSER.

**APPLICANT** : VALOIS S. A.
OF BOITE OSTALE G,
LE PRIEUR, LE NEUBOURG,
F-27110, FRANCE.

**INVENTOR** : 1) FRANCOIS BRULE
2) LUDOVIC PETIT

**INTERNATIONAL APPLICATION NO** : PCT/FR99/00063

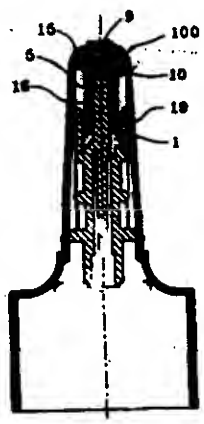
**INDIAN APPLICATION NO.** : IN/PCT/2000/00185/MUM DATED 14/07/2000

**PRIORITY NO.** : 98/00442 DATED 16/01/1998 OF FRANCE

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003), PATENT OFFICE, MUMBAI - 13.**

**13 CLAIMS**

The invention relates to a spray head (100) for a fluid dispenser for dispensing a fluid, the spray head being provided with an expulsion channel (1) opening out in a spray orifice (9), and with a moving closure member (10) mounted to move between a closed position ,in which it closes said orifice (9), and a spray position ,said closure member (10) being urged resiliently towards its closed position by the pressure of the fluid, the spray head being provided with a swirl chamber (20) of variable volume, the volume of said swirl chamber (20) being at its maximum when the closure member (10) is in the spray position, and being substantially zero when said closure member is in the closed position, said spray head being characterized in that said closure member (10) is provided with the spray orifice (9) and with swirl channels (30) which, when the closure member is in the spray position ,connect said expulsion channel (1) to said swirl chamber (20), the volume and the geometrical configuration of said channels (30) remaining unchanged whatever the position of the closure member (10).




**COMPLETE SPECIFICATION : 16 PAGES**

**DRAWINGS: 4 SHEETS**

**IND. CL.** : 187 C 3 **194504**

**INT. CL.** : H 04 Q 7/38

**TITLE** : A TELECOMMUNICATIONS NETWORK HAVING A CONTROL MODE.

**APPLICANT** : TELEFONAKTIEBOLAGET LM ERICSSON (PUBL), A SWEDISH COMPANY OF S – 126 25, STOCKHOLM, SWEDEN.

**INVENTOR** : PONTUS WALLENTIN.

**INTERNATIONAL APPLICATION NO** : PCT/SE 99/00304 DATED 02.03.1999

**INDIAN APPLICATION NO.** : IN/PCT/2000/00294/ MUM DATED 14.08.2000

**PRIORITY NO.** : **09/035,821 DATED 06.03.1998 OF U.S.A.**

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 17-CLAIMS

A telecommunication network, particularly a radio access network having at least one control node which controls a specified cell and which, if the control node makes a determination that one of call set up and call continuation in the specified cell would result in an acceptable condition in another cell, performs a protective action in the specified cell to protect against the unacceptable condition in the another cell, the determination being made with reference to cell condition information obtained from the another cell, comprising at least one exchange which is connected to the respective mobile switching centers; the said radio network controllers are preferably connected by at least one inter-radio network controller transport link.

**COMPLETE SPECIFICATION : 23 PAGES**

**DRAWINGS: 8 SHEET**

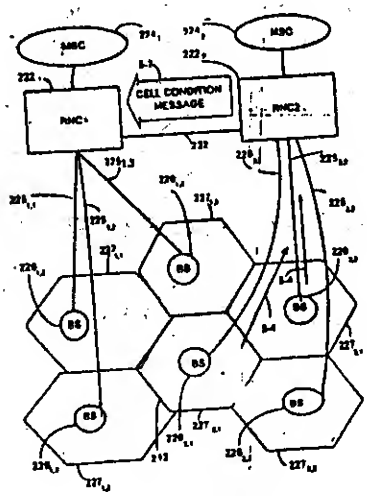



FIG: 2

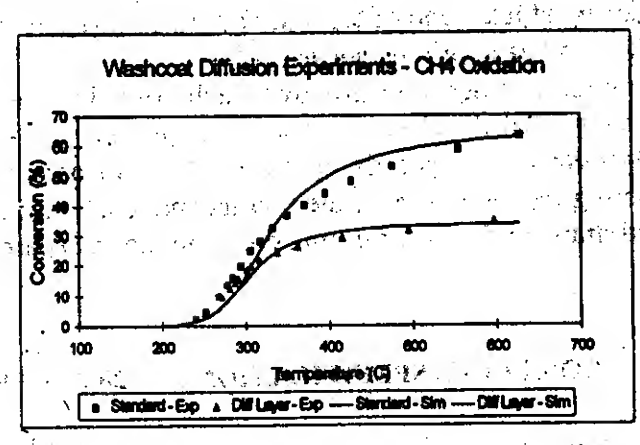
| | | |
|---|---|---|
| **IND. CL.** | : | 107 G **194505** |
| **INT. CL.** | : | B 01 D 53/94, B 01 J 37/02 |
| **TITLE** | : | A TWO-STROKE GASOLINE ENGINE, MOTORCYCLE OR THREE-WHEEL VEHICLE HAVING SAID ENGINE AND A METHOD OF CONTROLLING EMISSION IN EXHAUST GASES FROM SAID TWO-STROKE GASOLINE ENGINE. |
| **APPLICANT** | : | JOHNSON MATTHEY PUBLIC LIMITED COMPANY, A BRITISH COMPANY OF 2-4 COCKSPUR STREET, TRAFALGAR SQUARE, LONDON SW 1Y 5BQ, UNITED KINGDOM. |
| **INVENTORS** | : | 1. JULIAN PETER COX,<br>2. JULIA MARGARET EVANS |
| **INTERNATIONAL APPLICATION NO** | : | PCT/GB 99/00419 DATED 10.02.1999 |
| **INDIAN APPLICATION NO.** | : | IN/PCT/2000/00314/MUM DATED 22.08.2000 |
| **PRIORITY NO.** | : | 9803554.6 DATED 20.02.1998 OF GREAT BRITAIN |

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 07 CLAIMS

A two-stroke gasoline engine comprising an exhaust gas emission control system, which system comprising a refractory metal honeycomb substrate, a first layer comprising a platinum group metal-based catalyst as hereinbefore described distributed on the substrate and a second layer, comprising a refractory material comprising a diffusion barrier, coated on said catalyst for reducing diffusion of unburnt hydrocarbons from the exhaust gas to the catalyst, whereby hydrocarbon oxidation, and accordingly the heat exposure of the substrate, is reduced compared to the substrate consisting of the platinum group metal-based catalyst, wherein where the refractory material comprises a zeolite and alumina, the refractory coating does not comprise a layer of zeolite coated on a layer of alumina.

Comp.specn: 8 pages Drawings: 1 sheet



**IND. CL.** : 146 C **194506**

**INT. CL.** : G 06 K 19/04

**TITLE** :

A METHOD OF MAKING A CARD HAVING AN INTEGRAL MAGNIFYING LENS

**APPLICANT** : LENSCARD INTERNATIONAL LIMITED.,
WICKHAAMS CAY, P.O.BOX 146,
ROAD TOWN, TORTOLA,
GREAT BRITAIN.

**INVENTOR** :
1. DON JOYCE
2. LAURENCE MAYER
3. ROBERT MAYER
4. MICHAEL NICHOLSON
5. ALAN FINKELSTEIN

**INTERNATIONAL APPLICATION NO** : PCT/US99/08878

**INDIAN APPLICATION NO.** : IN/PCT/2000/00640/MUM DATED 20/11/2000

**PRIORITY NO.** : 09/066,799 DATED 24/04/1998 OF U.S.A.

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 13 CLAIMS

A method of making a card having an integral magnifying lens comprising the steps of:
making a card blank from a transparent plastic sheet material;
printing at least one of top and bottom surfaces of the card blank, leaving a transparent window region on each printed surface;
applying a transparent film over each printed surface of the card blank;
heating a lens forming die to a first temperature;
impressing the lens forming die into the transparent film in the window region;
cooling the lens forming die to a second temperature; and
withdrawing the lens forming die from the transparent film.

**COMPLETE SPECIFICATION : 28 PAGES**

**DRAWINGS : 07 SHEETS**

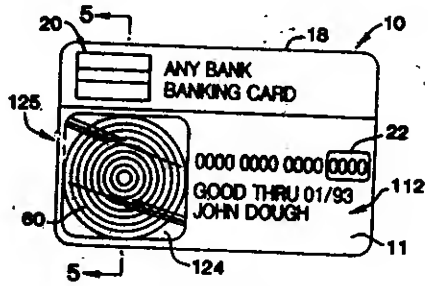



FIG. 3

194507

IND. CL. : 32 F

INT. CL. : C 07 D 497/04

TITLE : A PROCESS FOR THE PREPARATION OF INTERMEDIATE USEFUL IN THE MANU FACTURE OF THIENO [3, 2-c] PYRIDINE DERIVATIVES.

APPLICANT : CADILA HEALTHCARE LIMITED,
OF ZYDUS TOWER, SATELLITE CROSS ROADS,
AHMEDABAD-380 015
GUJARAT, INDIA.
AN INDIAN COMPANY.

INVENTORS : 1. BIPIN PANDEY,
2. VIDYA BHUSHAN LOHRAY,
3. BRAJ BHUSHAN LOHRAY.

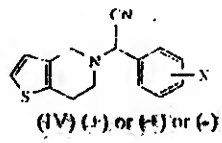
APPLICATION NO : 25/MUM/2003 DATED 08.01.2003

DIVISIONAL TO 84/MUM/2001 DATED 24.01.2001

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI-13.

09 CLAIMS

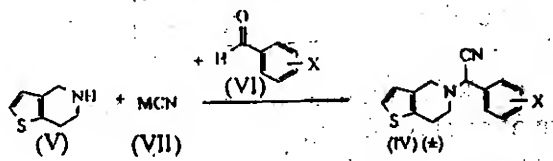
A process for the preparation of a compound of formula (IV) for use as an intermediate in the preparation of thieno [3, 2-c] pyridine derivatives (clopidogrel)



(IV) (+) or (±) or (-)

Where x represents either hydrogen, flouro, chloro, bromo or iodo atom, preferably 2-chloro, which comprises :

(i) reacting as compound of formula (V) or its salt



(V) (VII) (VI) (IV) (±)

With a cyanide of general formula (VII) where M represents alkali metal, TMS, Cu, or hydrogen, and followed by addition of compound of general formula (VI), where X is as defined earlier, to obtain said racemic compound of general formula (IV), said compounds of formulae (VII), (VI) and (V) being reacted in any order, and

(ii) if desired, resolving the compound of formula (IV) or its salt so obtained, to its (+) and (-) form or its salt.

Comp. specn. : 38 pages

Drawing : nil.

IND. CL. : 32

**194508**

INT. CL. : C 07 C 051/487

TITLE : A PROCESS OF PRODUCING PURIFIED ISOPHTHALIC AND TEREPHTHALIC ACID (PITA) FROM WASTE STREAM GENERATED IN DMT PLANT CONTAINING ISOMERS OF DMT.

APPLICANT : GARWARE POLYESTER LIMITED,
GARWARE HOUSE, 50 – A,
SWAMI NITYANAND MARG, VILE PARLE (EAST),
MUMBAI – 400 057, MAHARASHTRA,
INDIA, AN INDIAN COMPANY.

INVENTORS SHASHIKANT GARWARE.

INTERNATIONAL APPLICATION NO : ------

INDIAN APPLICATION NO. : 606/ BOM/1999 DATED 31.08. 1999

PRIORITY NO. :

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 5 – CLAIMS.

A process of producing Purified Isophthalic Acid and Terephthalic Acid (PITA), from the waste stream generated in DMT plant, containing Isomers of DMT, comprising of the following steps :

a) reacting the said Isomers of DMT, present in the waste stream generated in DMT plant, with water in the presence of catalyst, forming a blend of Isophthalic Acid and Terephthalic Acid, in the temperature range of $100^0$ to $330^0$ C and at pressure of 3 $kg/cm^2$ to 100kg/cm;$^2$

b) purifying the said blend of acids formed in the above step (a) by extraction in aqua solution and filtering out soluble impurities, from the said blend of acids;

c) purifying the said blend of Acids of step (b) by crystallization and solvent extraction to remove most of the impurities and separating out the pure crystals of the said blend of acids;

d) drying the said crystals of step (c ) to produce the purified Isophthalic Acid and purified Terephthalic Acid

Comp.specn.: 05 pages

Drawings – NIL - sheets.

**IND. CL.** : 35 C + F **194589**

**INT. CL.** : C 04 B 28/02.

**TITLE** : UNIVERSAL WELL CEMENT ADDITIVES AND METHODS.

**APPLICANT** : HALLIBURTON ENERGY SERVICES, INC.
A DELAWARE CORPORATION OF P.O.BOX 1431,
DUNCAN, OKLAHOMA 73536 – 0440,
UNITED STATES OF AMERICA
AND ATLANTIC RICHFIELD COMPANY,
A DELAWARE CORPORATION OF P.O.BOX 2679; 515
SOUTH FLOWER STREET, LOS ANGLES,
CALIFORNIA 90071,
UNITED STATES OF AMERICA.

**INVENTORS**
1. SUDHIR MEHTA
2. WILLIAM J CAVENY
3. RICHARD R JONES
4. RICKEY L MORGAN
5. DENNIS W GRAY
6. JITEN CHATTERJI

**INTERNATIONAL APPLICATION O** : PCT/GB 99/00247 dated 25.01.1999

**INDIAN APPLICATION NO.** : IN/PCT/2000/00197 DATED 20.07.2000

**PRIORITY NO.** : **09/013,791 & 09/228,846 dated 26.01.1998 & 12.01.1999 OF UNITED STATES OF AMERICA.**

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 12 – CLAIMS.

A universal additive composition for improving the properties of a cement slurry to be utilized for cementing a well comprising :

Ferrous chloride, ferric chloride or a mixture of the two, present in the an amount in the range of from 0.5 to 30 parts by weight;

An alkali or alkaline-earth metal halide present in an amount in the range of from 5 to 60 parts by weight;
an organic acid present in an amount of from 0.01 to 10 parts by weight;
a hydratable polymer present in an amount of from 1 to 50 parts by weight; and
the optional conventional components such as herein described.

Comp.specn.: 31 pages

Drawings – NIL - sheets.

| | | |
|---|---|---|
| IND. CL. | : | 167 G 194510 |
| INT. CL. | : | B 07 B 13/18 & 1/15 |
| TITLE | : | METHOD FOR OPERATING A ROLLER BAR SCREEN. |
| APPLICANT | : | ZEMAG GMBH OF PAUL – ROHLAND – STRASSE 1, D – 06712 ZEITZ GERMANY, A GERMAN COMPANY. |
| INVENTOR | : | 1) CLAUS – DIETER SEIG<br>2) PETER M. LOBECK |
| INTERNATIONAL APPLICATION NO | : | PCT/EP99/03858 DATED 03.06.1999 |
| INDIAN APPLICATION NO. | : | IN/PCT/2000/00007/MUM DATED 04.02.2000 |
| PRIORITY NO. | : | PCT/EP99/03858 DATED 03.06.1999 OF GERMANY |

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 1972), PATENT OFFICE BRANCH, MUMBAI - 13.

## 3 CLAIMS

A method of operating a roller bar screen , characterized in that constructional measures substantially in the form of equipping the rollers with variable speed drives are implemented in a preparatory step, and selected control and limit values are generated based on the average properties of the bulk material to be expected, by means of a process control and regulation system, whereby the optimal number of revolutions is present for each individual roller depending on the process; and that the dynamics of said roller grate screen is influenced by a control procedure having the following features;

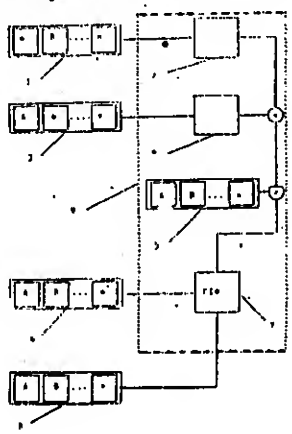
Detection of the bulk material quantity by multi-point measurement of the filling level in the zone of the screen train, as well as of the actual motor outputs by measuring the motor current consumption, as minimum information in addition to other optional information, by means of sensors, forwarding of said information to control-internal processing and evaluation units;

With specially developed modeling of the screen filling contours as well as derivation of the control values for adapting the numbers of revolutions of the rollers;

Superimposing of the determined rotational speed values with period or non periodic functions, with calculations of the nominal rotational speed values based thereon;

Outputting of the said nominal rotational speed values to the roller drives; and controlling the number of revolutions of the rollers with inclusion of the actual rotational speed values.

Comp. Speen. 11 pages; Drawings - 1 Sheets.



Int. Cl[7] : G12B 3/08

194511

Ind. Cl. : 174D

Title : A FRINCTION SNUBBER USED FOR DAMPING OSCILLATION IN PASSENGER COACHES

Applicant : LAKSHMI NIWAS AGRAWAL OF 16/3 HINDUSTAN ROAD CALCUTTA – 29, WEST BENGAL , INDIA.

Inventor : LAKSHMI NIWAS AGRAWAL
Application no 1106/CAL/19098 FILED ON 23/6/1998

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**9CLAIMS.**

A friction snubber used for damping oscillations in passenger coaches comprises:

- a cylindrical sleeve,
- a friction damping arrangement positioned within said sleeve
- a friction spring assembly positioned below the friction damping arrangement for providing pressure onto the damping components
- a central spindle,
- said friction spring assembly being assembled on said central spindle on which said sleeve and friction damping arrangement is positioned, said sleeve and friction damping arrangement being positioned upon said friction spring assembly,

— said central spindle being secured onto the bottom of the glass by mounting and cushioning arrangement.

Complete Specification : 10 pages. Drawing : 8 sheets

Int. Cl[7] : F23C 11/02 , F23K 3/02, F23J 7/00
Ind. Cl : 176 I

194512

Title : FUEL AND SORBENT FEED FOR CIRCULATING FLUIDIZED BED STEAM GENERATOR

Applicant : ALSTOM POWER INC, OF 2000 DAY HILL ROAD, WINDSOR, CONNECTICUIT

Inventor : 1. GARY ALLEN COTE.
2. PAUL JOHN PANOS

Application no 2470/CAL/1997 FILED ON 29.12.1997
(CONVENTION NO. 08/774 FILED ON 31.12.1996 IN USA)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

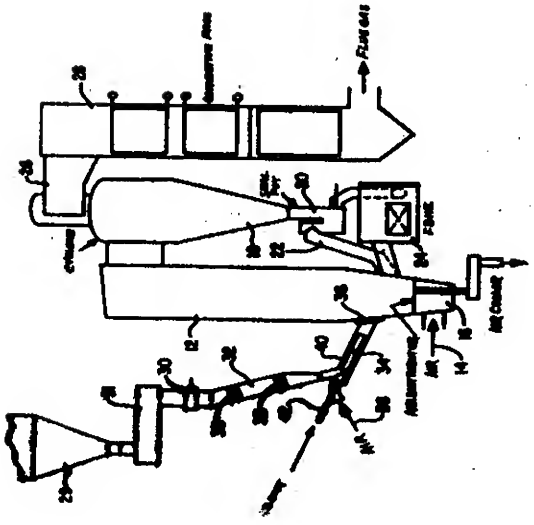
## 6CLAIMS.

1. A method of feeding a particulate fuel to a fluidized bed combustion system wherein said system comprises a fluidized bed furnace having means for supplying primary combustion and fluidizing air located in the bottom portion thereof and a plurality of ports for supplying secondary combustion air located above said bottom thereof comprising the steps of:

a. feeding a particulate fuel into a gravity feed chute;

b. passing said particulate fuel from said gravity feed chute into an air-swept chute connected to one of said secondary air ports;

c. supplying secondary combustion air to said air-swept chute at a velocity whereby said particulate fuel is suspended in said secondary air and said secondary air and suspended fuel are transported into said fluidized bed furnace through said air-swept chute and said secondar air port.



*Complete Specification : 6 pages.* *Drawing : 1 sheet*

Int. Cl[7] : H01L 33/00 H01L 35/00 F21K 7/00 F21V 29/00

194513

Ind. Cl. : 66D, 206 E
Title : A REPLACEABLE LED LAMP
Applicant : BIJOY CHAKROBORTY OF 1/1/B/4 RAM KRISHNA NASKAR LANE CALCUTTA 700 010, WEST BENGAL, INDIA.

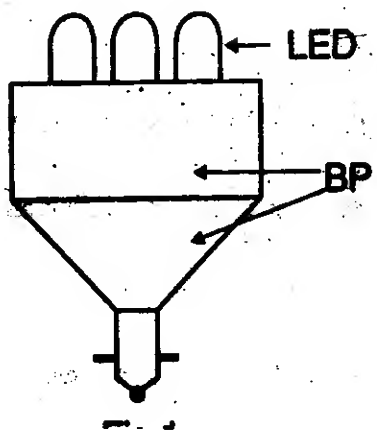
Inventor : BIJOY CHAKROBORTY
Application no 152/CAL/1999 FILED ON 25.2.1999

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**27CLAIMS.**

A replaceble LED lamp comprising :

at least one LED with or without its operating circuitry moulded/housed with respect to atleast a polymeric base (BP) desired shape and configuration to fit to a desired holder having power supply and operatively connect said LED to said power supply.




***Complete Specification :14 pages. Drawing :1 sheets***

Int. Cl[7] : H04L 12/16 HO4 L 12/66

194514

Ind. Cl : 206 E

Title : METHOD AND APPARATUS FOR PROVIDING A THREE-PARTY CONNECTION AMONG A FIRST, SECOND AND THIRD CALL PARTICIPANT DURING A VOICE -OVER –INTERNET-PROTOCOL TELEPHONE CALL

Applicant : ROCKWELL FIRSTPOINT CONTACT CORPORATION OF 300 BAUMAN COURT, WOOD DALE, ILLINOIS 60191, USA

Inventor : MICHAEL PETERS

Application no 407/CAL/2002 FILED ON 10.7.2002

(CONVENTION NO. 09/902,205 FILED ON 10.7.01 IN USA)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**24CLAIMS.**

A method of providing a three-party connection among a first, second and third call participant during a voice-over-Internet-Protocol (VoIP) telephone call, said method comprising the steps of:

providing a respective first and second port within a transceiving terminal for receiving VoIP voice information of the VoIP telephone call from the first and second call participants;

mixing the VoIP information from the ports of the first and second call participants; and

transferring the mixed VoIP information to the third call participant.

FIG. 1

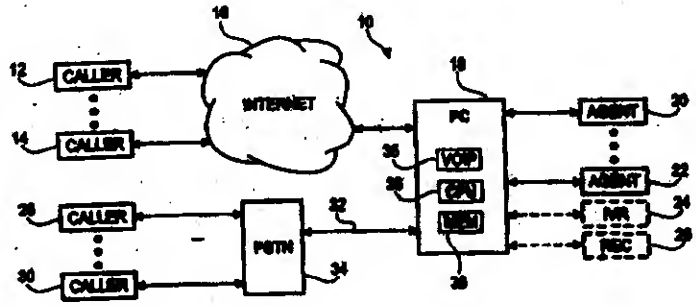
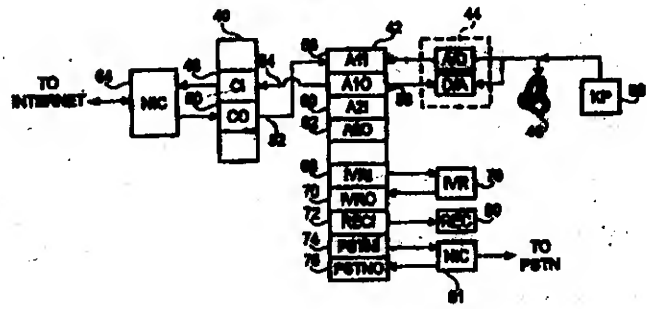
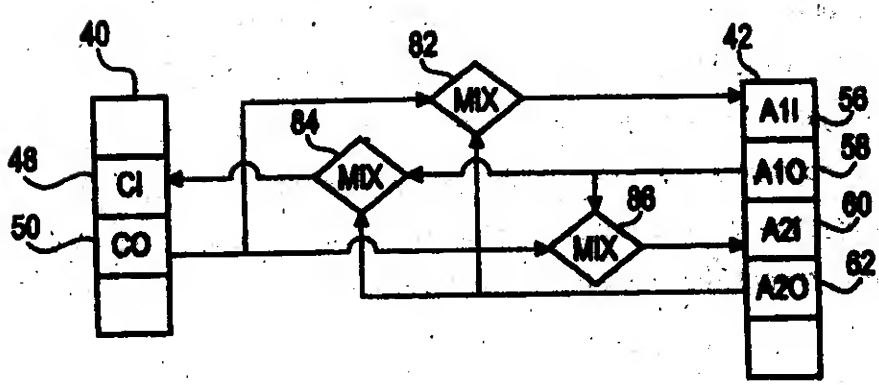



FIG. 2




*Complete Specification : 13 pages.* *Drawing :2 sheets*

Int. Cl[7] : B22D 17/00

194515

Ind. Cl : 33E

Title : A VENTING VALVE ASSEMBLY FOR CASTING MOULDS

Applicant : FONDAREX S.A. OF ROUTE INDUSTRIELLE 13, ZONE INDUSTRIELLE DE RIO-GREDON, CH-1806, ST.-LEGIER SWITZERLAND.

Inventor : WUETHRICH ANDREAS

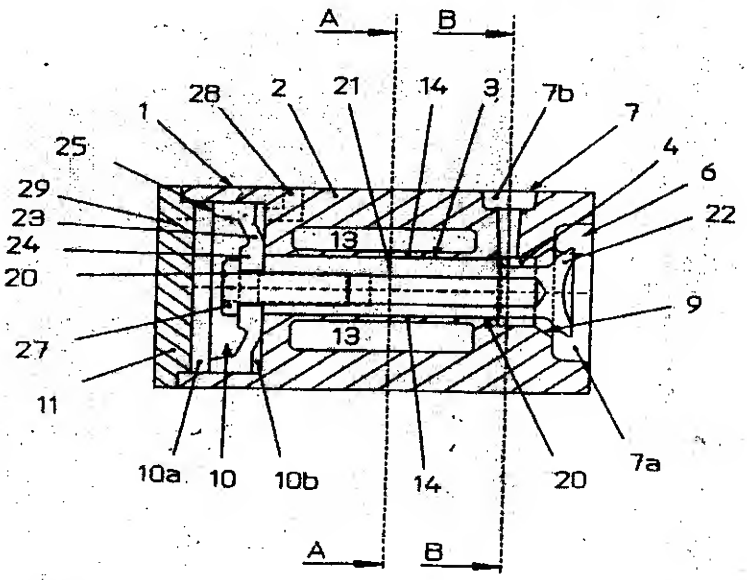
Application no477/CAL/2002 FILED ON 07.08.2002
(CONVENTION NO. 2001 1750/01 FILED ON 21.9.01 IN SWITZERLAND.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

## 17CLAIMS.

A venting valve assembly for casting moulds, comprising a venting valve means having a valve housing means and a venting chamber means

located in said valve housing means, a venting channel means located in the interior of said valve housing means and communicating with said venting chamber means, and a valve closure means located in the interior of said valve housing means and adapted to be movable between an open position

in which said venting channel means connects said venting chamber means with the ambient atmosphere, and a closed position in which said venting channel means seals said venting chamber means against the ambient atmosphere, characterized in that that it also comprises first means for frictionally locking said valve closure means in said open position and second means for biasing said valve closure means towards said closed position when said valve closure means is in said frictionally locked open position.




*Complete Specification : 17 pages.* *Drawing :3 sheets*

Int. Cl[7] : F28B 1/00

194516

Ind Cl. : 55A
Title : CONDENSER
Applicant : UEHARA HARUO OF 1544-119 OOAZA-KINRYU, KINRYU-MACHI, SAGA-SHI, SAGA-KEN JAPAN

Inventor : UEHARA HARUO
Application no 239/CAL/2000 FILED ON 24.4.2000
(CONVENTION NO. H11-152890 FILED ON 31.5.1999 IN JAPAN.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

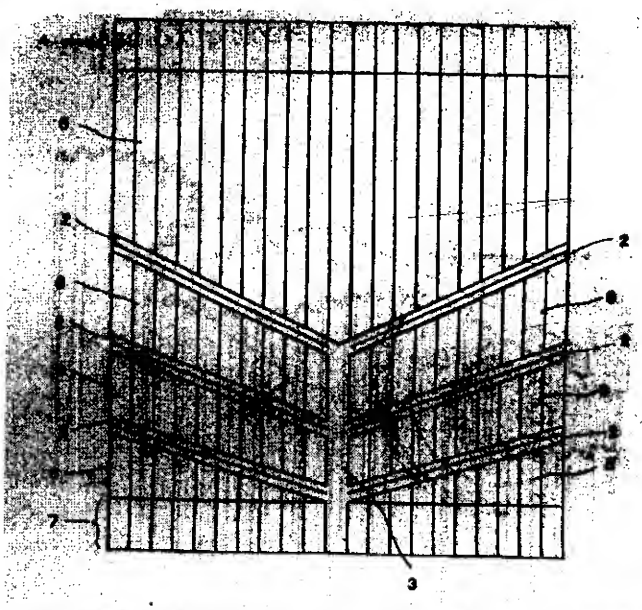
**10CLAIMS.**

A condenser for condensing a high temperature fluid through heat exchange with a low temperature fluid comprising:

at least one heat transferring face (1) formed of a plate-shaped material, change of phase of high temperature fluid from a gaseous phase to a liquid phase being made by causing a high temperature fluid and the low temperature fluid to flow on opposite surface sides of said heat transferring face(1), respectively, so that flowing directions of said high and low temperature fluids are perpendicular to each other, to make a heat exchange, characterized in that:

there is provided a plurality of condensate discharging trough portions (2) that is formed in a shape of elongated grooves and formed on a surface of the high temperature fluid side of said heat transferring face (1) so as to extend in an oblique direction to a flowing direction of high temperature fluid by a predetermined angle, said condensate discharging trough portions (2) being capable of receiving condensate of the high temperature fluid, which is generated on the heat transferring face (1) to flow down in the flowing direction of the high temperature fluid; and

said heat transferring face (1) is divided into a plurality of zones (4,5,6,7) by said a plurality of condensate discharging trough portions (2) and said zones (4,5,6,7) have predetermined patterns of irregularity, said predetermined patterns of irregularity appearing on at least high temperature fluid side.




*Complete Specification :35 pages.* *Drawing : 9 sheets*

Int. Cl[7] : H01H 13/06

194517

Ind. Cl : 69 98 155

Title : WATERPROOF TYPE MICRO SWITCH APPARATUS

Applicant : KEIHIN CORPORATION, OF 3-17 , SHINJUKU 4-CHOME, SHINJUKU-KU, TOKYO, JAPAN.

Inventor : 1. WATANABE HISASHI
2. NAKADAIRA AKIRA
3. SHISHIDO YOSHIKUNI

Application no 437/CAL/2002 FILED ON 23.7.2002
(CONVENTION NO. 2001-354450 FILED ON 20.11.2001 IN JAPAN.)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

## 4CLAIMS.

A waterproof type micro switch apparatus comprising :

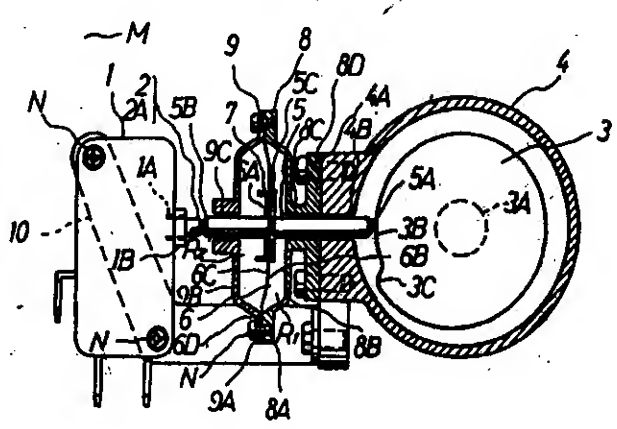
a micro switch having a fixed contact point, a movable contact point opposing thereto, a movable piece switching the contact points and a push button operating the movable piece by application of an external force, said micro switch being housed in a switch case ;

an operating body arranged within an operating body case for applying a mechanical external force to the push button ; and

a detecting rod for detecting a movement of the operating body by the front end thereof so as to transmit the movement to the push button via the rear end,

characterized in that the detecting rod is movably supported by a center portion of a flexible member, an outer peripheral portion of which is gripped by the opposing surfaces of a first side casing and a second side casing movably receiving the detecting rod between them.

FIG. 1




*Complete Specification :27 pages.* ***Drawing :3 sheets***

Int. Cl[7] : B65H 75/14 B65D 85/672 | 194518

Ind. Cl : 99
Title : AN OPTICAL FIBRE SPOOL AND A COVER THEREOF

Applicant : SAMSUNG ELECTRONICS, OF CO. LTD OF 416, MAETAN-DONG, PALDAL-GU, SUWON-CITY, KYUNGKI-DO, KOREA

Inventor : KYEONG-SUP KIM

Application no 1039/CAL/1998 FILED ON 11.6.1998
(CONVENTION NO. 13865/1997 FILED ON 11.6.1997 IN KOREA.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

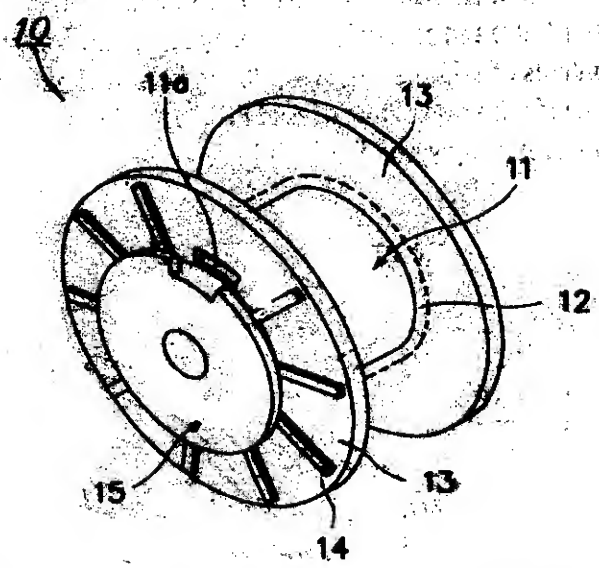
**2CLAIMS.**

An optical fibre spool (10) for storing and transporting an optical fibre comprising:

-a barrel (11) around which the optical fibre is wound, the barrel (11) being covered with a pad (12) of a predetermined thickness ( t) for protecting the optical fibre from impacts;

-a first annular flange (13) positioned at a first end of the barrel (11) and a second annular flange (13) positoned at an opposite end of the barrel (11) and a second annular flange (13) positoned at an opposite end of the barrel (11) for supporting the barrel (11);

-an optical fibre drawing slot ( 13a) provided on the first annular flange (13) through which an end portion of a wound optical fibre may be drawn, characterized in that the upper surface (13b) of the optical fibre drawing a slot (13a) being spaced from the inner circumference (11 a) of the barrel (11) by a distance which is substantially equal to , or greater than, twice the thickness (t) of the pad (12).




*Complete Specification : 10 pages.* *Drawing :3 sheets*

Int. Cl[7] : G01N 24/06, G03B 42/06

194519

Ind. Cl : 206 E

Title : METHOD AND APPARATUS FOR PROVIDING DYNAMICALLY VARIABLE TIME DELAYS FOR ULTRASOUND BEAMFORMER

Applicant : GENERAL ELECTRIC COMPNAY , OF 1 RIVER ROAD SCHENECTADY, 12345, NEW YORK, USA

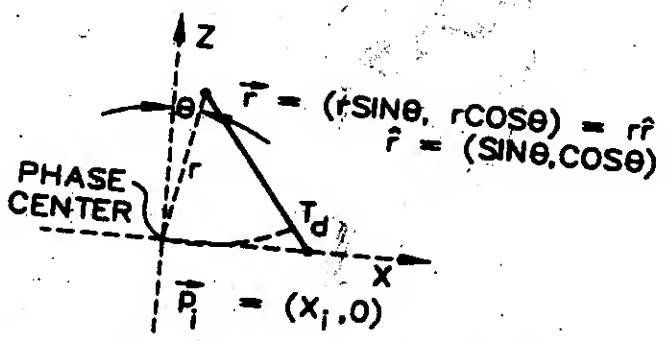
Inventor : 1. STEVEN C. MILLER
2. GREGORY A. LILLEGARD
3. DANIEL C. MILON

Application no 2129/CAL/1997 FILED ON 11.11.1997
(CONVENTION NO. 08/774,667 FILED ON 30.12.1996 IN USA.)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**27CLAIMS.**

A beamforming channel (35) comprising analog-to-digital conversion means (54) for outputting digital samples at a sampling rate, an integer sampling period delay circuit (56) having an input coupled to receive said digital samples and having an output, a fractional sampling period delay circuit (58) having an input coupled to receive said digital samples from said integer sampling period delay circuit (56) and having an output, and a delay control circuit (106) coupled to said integer sampling period delay circuit (56) and to said fractional sampling period delay circuit (58) for outputting delay signals which dynamically synchronously control the amount by which said integer sampling period delay circuit (56) and said fractional sampling period delay circuit (58) will respectively delay a signal passing therethrough, wherein said integer sampling period delay circuit (56) comprises a FIFO (101) having an input coupled to receive said digital samples and having an output, and a first register (102) having an input coupled to said output of said FIFO (101) and having an output, said fractional sampling period delay circuit comprises an interpolator (107) having a first input (IN1) coupled to said output of said first register (102) and said delay control circuit comprises means (108, 110) for holding the contents of said first register (102) to keep said output of said first register (102) synchronized with said output of said FIFO (101) following a change in the amount of delay provided by said FIFO (101).




*Complete Specification : 25 pages.* *Drawing :6 sheets*

Int. Cl[7] : H04N 5/445

194520

Ind. Cl : 206 E

Title : TELEVISION SET AND METHOD FOR SETTING AUDIO AND VIDEO OUTPUTS

Applicant : SAMSUNG ELECTRONICS, OF CO. LTD OF 416, MAETAN-DONG, PALDAL-GU, SUWON-CITY, KYUNGKI-DO, KOREA.

Inventor : HA JE-IK

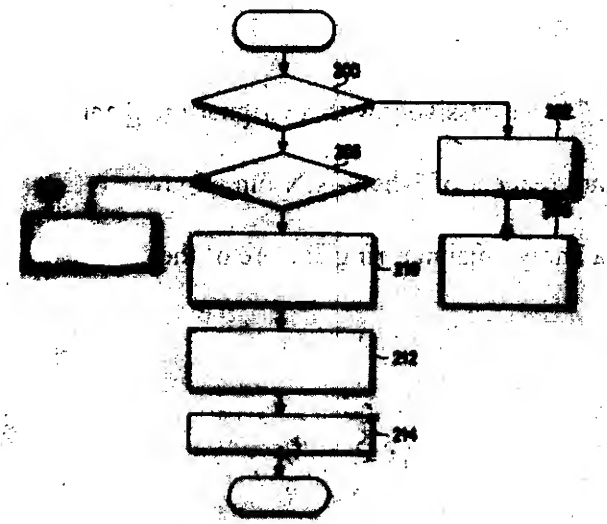
Application no 140/CAL/1998 FILED ON 28.1.1998
(CONVENTION NO. 26129/1997 FILED ON 20.6.1997 IN KOREA.)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA*

**3CLAIMS.**

A method for setting audio and video output modes in a television set for receiving and processing a program guide comprising categories of program, said method comprising the steps of:

storing audio and video output modes corresponding to the categories of the programs receiving said program guide and storing the categories of the programs; if a user selects a program, reading the category of the selected program; and reading the audio and video output modes corresponding to the read category and selectively setting at least one of said audio and video output modes to the corresponding audio and video output modes.




*Complete Specification : 15 pages.* *Drawing :2 sheets*

Ind.Cl.: $32F_3(a)$ **194521**

Int.Cl[7]:C07D 307/78; C07D 307/87.

# A PROCESS FOR THE PREPARATION OF CITALOPRAM

Applicant: LUNDBECK A/S
OF 9 OTTILIAVEJ, DK-2500 VALBY
COPENHAGEN, A DANISH COMPANY
DENMARK

Inventors: 1. HANS PETERSEN
2. HALEH AHMADIAN
3. ROBERT DANCER.

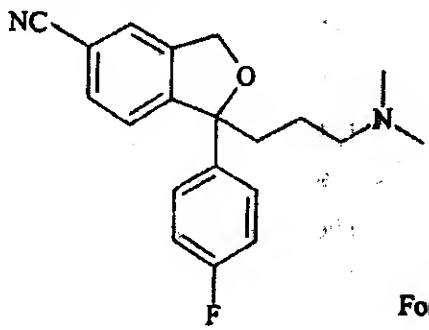
Application No665/MAS/2001 filed on 13th AUG 2001

Convention No.PA 2000 01231 on, 18th AUG 2000 in DENMARK

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

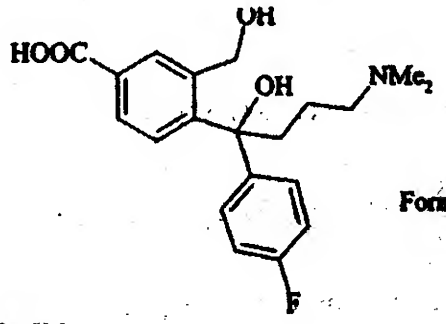
## 9 Claims

A process for the preparation of citalopram of formula I



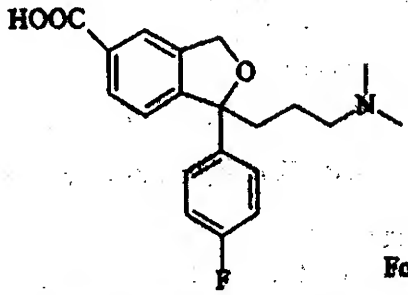

**Formula I**

comprising reacting 5-carboxyphthalide successively with a Grignard reagent of 4-halo-fluorophenyl and a Grignard reagent of 3-halo-N,N-dimethyl-propylamine and then effecting, in a known manner, ring closure of the resulting compound of Formula XI




Formula XI

to a compound of Formula IV




Formula IV

followed by conversion of the compound of Formula IV into citalopram in a known manner.

Comp.Specn. 18 Pages; Drgs NIL Sheets.

Ind.Cl.: $32F_3(a)$

**194522**

Int.Cl[7]:C07D 307/78

AN IMPROVED PROCESS FOR THE PREPARATION OF CITALOPRAM

Applicant: NATCO PHARMA LTD
a company registered under the Indian Company's Act 1956,having its registered office at NATCO House
ROAD NO.2,BANJARA HILLS,
HYDERABAD 500 033, ANDRA PRADESH, INDIA

Inventors: 1. PULLA REDDY MUDDASANI
2. VENKAIAH CHOWDARY NANNAPANENI

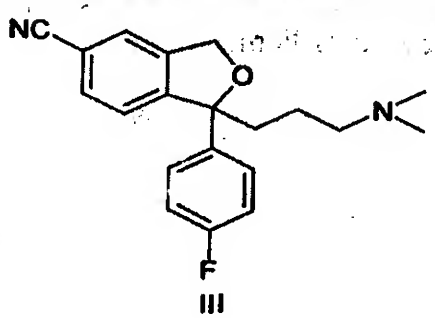
Application No157/MAS/2001 filed on 22nd FEB 2001

Complete specification Left22nd NOV 2001

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch.

13 Claims

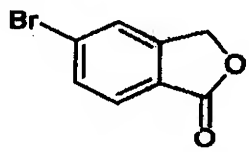
1. An improved process for the preparation of citalopram of formula-III,




III

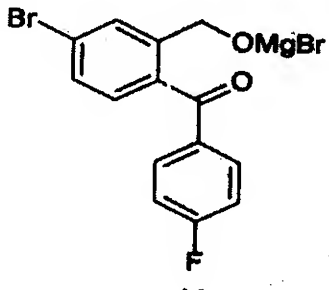
which comprises:

(i) A Grignard reaction on 5-bromophthalide of formula-IV, .



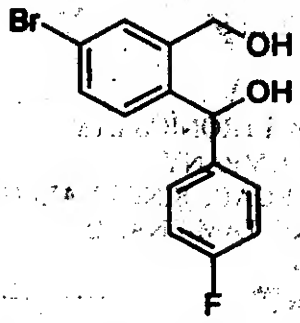

IV

with 4-fluorophenylmagnesium bromide at -25°C to +10°C in THF medium to get the benzophenone derivative of formula-V,



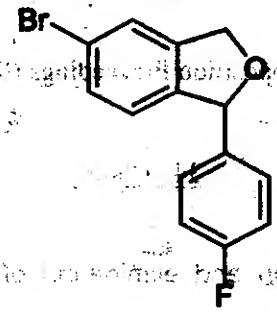

V

(ii) Reducing the benzopnenone derivative of formula-V with sodium monohydride in the presence of an alcoholic solvent at -25°C to +10°C to get the dihydroxy compound of formula-VIII



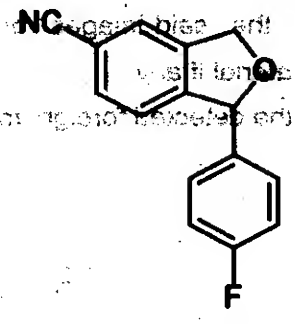

VIII

(iii) Reacting the compound of the formula-VIII obtained in step (ii) with an acid catalyst in a non-polar solvent to obtain a compound of the formula-I




I

(iv) Reacting the compound of the formula-I obtained in step (iii) with cuprous cyanide in dimethylformamide solvent medium and isolating the resulting cyano compound by crystallization technique using polar and or alcoholic solvents to obtain the compound of the formula-II,




II

(vi) Reacting the compound of formula II with a strong base in the presence of dipolar aprotic solvent and adding 3-dimethylaminopropyl chloride to obtain the compound of formula III after recrystallization from a suitable organic solvent

Ref: Indian Application No.157/MAS/2001
Text Prov 10 Comp 21 Pages; DrgsNIL Sheets.
EP : 171945 US : 4650884; 4136193 WO 00/011926; 00/013648

Ind.Cl.:172F

**194523**

Int.Cl[7]:G01N-21/89; D01G-31/00

" A SYSTEM FOR DETECTION AND ELIMINATION OF FOREIGN BODIES FROM TEXTILE FIBRES"

Applicant: PREMIER POLYTRONICS LTD.,
AN INDIAN COMPANY
304, TRICHY ROAD, SINGANALLUR,
COIMBATORE, TAMILNADU
INDIA

Inventors: 1. Ramachandran Shekaripuram Narayan samy
2. Raghunath Ayyapankav Ganesan

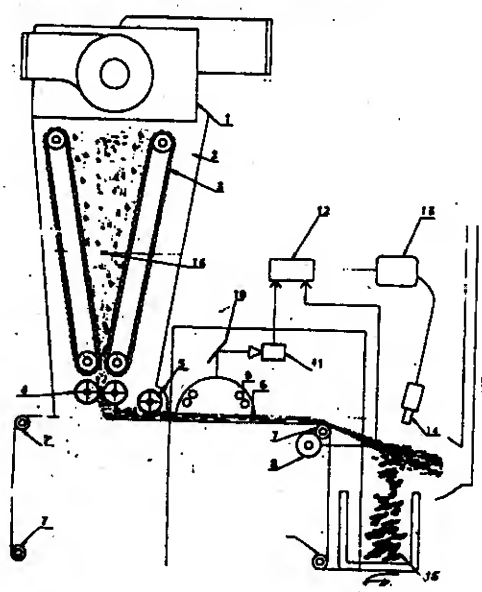
Application No:1016/MAS/1999 filed on 20/10/1999

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

34 Claims

1. A system for detection and elimination of foreign bodies from textile fibres comprising :
means to transport uniform fibre web at predetermined and selected uniform speed for presenting to an imaging system ;
said imaging system comprising CCD camera means for obtaining images of the moving fibre web ;
means for analyzing the said images of the fibre web and detecting the presence of foreign material if any ;
means for removal of the detected foreign material from said fibre web.

Comp.Specn. 13 Pages; Drgs 3 Sheets.



Ind.Cl.:193 **194524**

Int.Cl[7]:C04B 035/56; C04B 035/58

" NEW COMPOSITE MATERIAL HAVING GOOD SHOCK ATTENUATING PROPERTIES AND A PROCESS FOR THE PREPARATION OF SAID MATERIAL"

Applicant: 1. INTERNATIONAL ADVANCED RESEARCH CENTRE FOR POWDER METALLURGY AND NEW MATERIALS
A CENTRAL GOVT. REGD. AUTONOMOUS SOCIETY
OPP. BALAPUR VILLAGE, RCI ROAD, R.R. DISTRICT,
HYDERABAD-500005, AP, INDIA and
2. DEFENCE RESEARCH AND DEVELOPMENT ORGANIZATIN(DRDO), MINISTRY OF DEFENCE, GOVT. OF INDIA, HAVING ITS HEADQUARTERS AT 'B' WING, SENA BHAVAN, NEW DELHI-110011.
INDIA

Inventors: 1. Dr. YASHWANT RAMACHANDRA MAHAJAN
2. Dr. ROY JOHNSON
3. BHASKAR PRASAD SAHA
4. M.N. SARAF
5. R.D. RAISINHA

Application No976/MAS/1998 filed on 06/05/1998

Complete specification Left 03/06/1999

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

8 Claims

1. A new composite material having good mechanical shock attenuating properties comprising honeycomb structured monolith of ceramic material cordierite ($2MgO, 2Al_2O_3 5SiO_2$) or mulite ($3 Al_2O_3 2 SiO_2$) or their combination encapsulated within a rubberized Kevalar fabric which is inturn moulded into a block of an un vulcanized rubber.

Ref: Indian Application No.976/MAS/1998

Text:14 Pages; Drgs7 Sheets.

Ind.Cl.:68 E1

**194525**

Int.Cl[7]:H 01 H 9/00

" A SWITCH MOUNTING STRUCTURE IN WHICH A PLURALITY OF SWITCHES ARE MOUNTED"

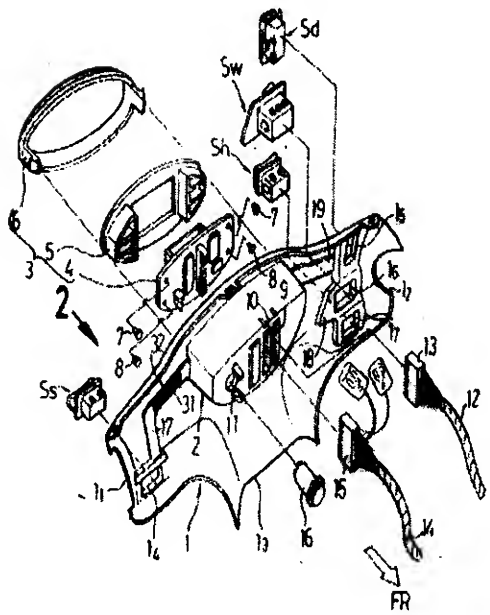
Applicant: TOYO DENSO KABUSHIKI KAISHA,
A CORPORATION OF JAPAN, 10 - 4, SHINBASHI
2 - CHOME,, MINATO - KU, TOKYO,, JAPAN

Inventors: 1. TOSHIHIKO SHIRATORI
2. HIROSHI SAKAMOTO 3. MASAZUMI IGARASHI

Application No:2690/MAS/1997 filed on 24th November 1997

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

04 Claims




A switch mounting structure in which a plurality of switches are mounted, the switch mounting structure is used on a two-wheeled motor vehicle having a handlebar and a steering shaft, comprising: a handlebar cover covering said handlebar and having a plurality of notches and an opening defined within the handlebar cover, the handlebar and steering shaft passing through the notches; a connection device is provided on said handlebar cover and connected to said switches via bus bars embedded in said handlebar cover to provide connection of said switches to an external power source; at least one of said switches having a switch housing, a stationary contact provided on the switch housing, and a movable contact which is provided on the switch housing and can be placed in contact with said stationary contact, wherein a terminal of the one switch is connected to said stationary contact and is electrically connectable to a terminal of one of said bus bars rigidly mounted on the handlebar cover, wherein the terminal of the bus bar has an end exposed to the opening in the handlebar cover; and said switch housing has at least one locking claw extending from a side of the switch housing, and wherein when the switch housing is inserted into the opening defined in said handlebar cover, the switch housing is locked therein by the at least one locking claw and the terminal of said switch resiliently abuts the terminal of said bus bar, thereby completing the electrical connection of the switch to the bus bar.

Comp.Specn. 17 Pages; Drgs 07 Sheets.

194526

Ind.Cl.:61F

Int.Cl[7]:F26B 13/10

" A DEVICE FOR CONTINUOUSLY DRYING COATED ARTICLES"

Applicant: VIJAY ELECTRICALS LIMITED
IDA BALANAGAR
HYDERABAD 500037 ANDHRA PRADESH
AN INDIAN COMPANY
INDIA

Inventors: 1. KILARU RAJA SEKHAR

Application No:37/MAS/97 filed on 10th JAN 1997

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

10 Claims

A device for continuously drying coated articles such as epoxy coated alloy cores for transformers comprising at least two heating chambers provided with heating elements, a drivable conveyor means connecting the heating chambers through a tillable trolley, the said trolley having two tiltable members vertically disposed to the said conveyor means, the said vertical members having sensors and actuating means for tilting each vertical member to $90^0$ when in contact with an article, to establish continuous passage of articles through the conveyor means, means for restoring each tilted member to its original vertical position and control panel for controlling the operations.

Comp.Specn. 9 Pages; Drgs 1 Sheets.

Ind.Cl.:116

**194527**

Int.Cl[7]:B 66 C 1/36

" SAFETY DETACHING HOOKS"

Applicant: BELLAMBIE MINING AND INDUSTRIAL LIMITED,
A SOUTH AFRICAN COMPANY,
OF 4 CLARKE STREET NORTH,
ALRODE, ALBERTON 1449,
SOUTH AFRICA

Inventors: 1. ALAN SIMS
2. ISABEL JEANETTE MITCHELL

Application No2177/MAS/1996 filed on 04th December 1996

Convention No.95/10270 filed on 04th December 1995 in SOUTH AFRICA

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

16 Claims

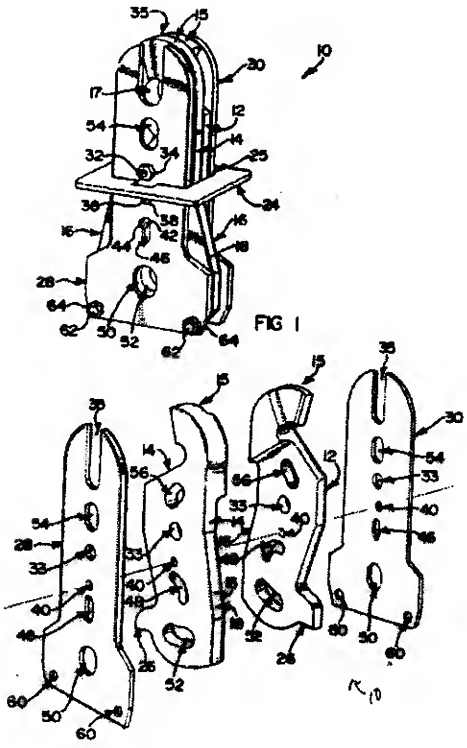


FIG 1

A safety detaching hook comprising a pair of scissor plates which are mounted for pivotal displacement relative to one another between a normally closed condition and an open condition, at least one of the scissor plates having a striking plate striking formation whereby the scissor plate is displaceable, from its closed condition to its open condition; and locking means configured to permit displacement of the scissor plates from their closed condition to their open condition only if displacement of the scissor plates occurs simultaneously.

Comp.Specn. 23 Pages; Drgs 08 Sheets.

Ind.Cl.:64B **194528**

Int.Cl[7]:H01R 4/36;4/38

" A CONNECTION BLOCK OF ELECTRICAL CABLES TO ELECTRICAL APPARATUS".

Applicant: SCHNEIDER ELECTRIC SA
A FRENCH COMPANY OF 40 AVENUE
ANDRE MORIZET, F92100,
BOULOGNE BILLANCOURT
FRANCE

Inventors: 1. JEAN-PIERRE DUCHEMIN
2. BRUNO JACQUET
3 REGIS PERROCHEAU

Application No:1814/MAS/96 filed on 15th OCT 1996

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

11 Claims

A collection block of electrical cables (5, 6) to electrical apparatus (2)comprising at least one connector (4) consisting of a cage (42) and a wire clamp slide (43) moved by a clamping screw (44) under a compartment (37,38) in a box (31) in which said Connector is placed, characterized in that the slide (43) which is U-shaped has outside the cage (42), a flange (432) and in the cage a second flange (431) in order to clamp that at least an electrical cable, a mobile insulating protective cover (35) covering the said slide so as to protect the front of the slide, follows its movements and provides access to the screw head

Comp.Specn. 10 Pages; Drgs 3 Sheets.

Ind.Cl.:39 L

194529

Int.Cl[7]:C 01 G 3/02

" A PROCESS FOR HYDROTHERMAL PRODUCTION OF ACTIVE COPPER OXIDE"

Applicant: INDIAN SPACE RESEARCH ORGANIZATION,
AN INDIAN COMPANY
DEPARTMENT OF SCIENCE, ANTARIKSH BHAVAN,
NEW BEL ROAD, BANGALORE - 560094,
INDIA.

Inventors: 1. Dr. SURESH MATHEW
2. Dr. KOVOOR NINAN NINAN

Application No:1731/MAS/1996 filed on 01st October 1996

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

06 Claims

A process for hydrothermal production of active copper oxide comprising adding stoichiometric quantities of sodium hydroxide solution to a copper salt solution to obtain metastable crystals of hydrated precursors containing copper, maintaining the temperature of the reaction mixture below its reflux point and allowing to hydrothermally decompose the said precursor to precipitate copper oxide and subsequently separating, washing and drying the said precipitated copper oxide.

Comp.Specn. 14 Pages; Drgs 0 Sheets.

Ind.Cl.:33 A **194530**

Int.Cl[7]:B22D 011/06

" A SUPPORTING DEVICE FOR THE SIDE WALLS OF A CONTINUOUS ROLL CASTER INSTALLATION FOR THE PRODUCTION OF METALLIC STRIPS"

Applicant: 1. USINOR SACILOR (SOCIETE ANONYME) IMMEUBLE
A FRENCH COMPANY
LA PACIFIC-11/13 COURS VALMY - LA DEFENSE 7- 92800 - PUTEAUX, FRANCE and
2. THYSSEN STAHL AKTIENGESELLSCHAFT
A FRENCH COMPANY
KAISER - WILHELM - STRASSE 100 - D - 47166 - DUISBURG (ALLEMAGNE), FRANCE

Inventors: 1. YANN BREVIERE

Application No1358/MAS/1996 filed on 31/07/1996

Convention No.9509907 filed on 18/08/1995 in FRANCE

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

9 Claims

1. A supporting device for the side walls of a continuous roll caster installation for the production of metallic strips comprising two cooled rolls (1) with horizontal axes, two side walls (2) applied against the sides (3) of the rolls (1), the said device comprising a carriage (5) which can be displaced on command in a direction parallel to the axes of the rolls (1), a thrust device (6) carried by the said carriage (5) and a panel (4), integral with the side wall (2), connected to the said thrust device (6) by means of a thrust plate (8) and thrust members (9, 9', 9", 9"') bearing on the said thrust plate (8) and the said panel (4), characterized in that the said panel (4) has at least one tie (11, 11') passing through the thrust plate (8) and the free end of which is equipped with a stop (13, 13') which can be applied against the rear face (14) of the said thrust plate (8).

Comp.Specn. 14 Pages; Drgs. 2 Sheets.

Ind.Cl.:32C

**194531**

Int.Cl[7]:C07C 149/14

"A PROCESS FOR PREPARING CARBOXYLIC ACID DERIVATIVES".

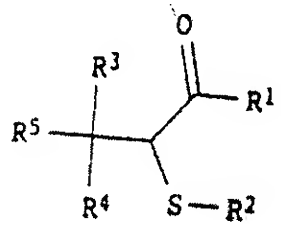
Applicant: ABBOTT GMBH & CO.KG,
A GERMAN COMPANY OF 65205
WIESBADEN, MAX-PLANCK-RING 2, GERMANY

Inventors:1. WILHELM AMBERG 2. ROLF JANSEN 3. DAGMAR KLINGE

Application No:IN/PCT/2000/0481/CHE filed on 5th OCT 2000
Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

6 Claims

A Process for preparing carboxylic acid derivatives of the general formula I

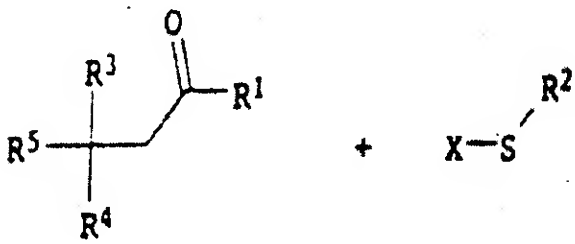


I

Where $R^1$ [sic] is hydroxyl, alkoxy, sulfonamidyl, amino

$R^2$ [sic] is alkyl, aryl or hetaryl, optionally substituted,

$R^3$, R4, R5 are identical to or different from one another and are alkyl or aryl, optionally substituted, by nucleophilie reaction of a carboxylic acid derivative of the formula II with a sulfide of the formula III



II III

Where $R^1$ to $R^5$ are as herein before defined

X is $SR^6$ or $SO_2R^6$,

$R^6$ is alkyl or aryl, optionally substituted and recovering the compound of formula I from the reaction mixture in a known manner.

Reference to : WO 96/11914 WO 97/09294

Comp.Specn. 9 Pages; Drgs NIL Sheets.

Ind.Cl.: $32F_3(a)$ **194532**

Int.Cl[7]:C07D 307/87

An improved process for the preparation of 1-(4'-fluoro-phenyl)-1,3-dihydro isobenzofuran-5- carbonitrile, an intermediate of citalopram.

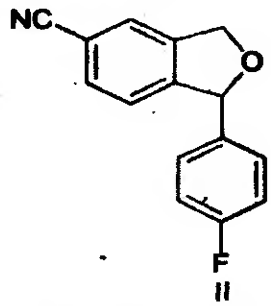
Applicant: NATCO PHARMA LTD
a company registered under the indian company's act 1956,
having its registered office at NATCO HOUSE, ROAD NO.2,
BANJARA HILLS,HYDERABAD 500 033 ANDHARA PRADESH, INDIA

Inventors: 1. PULLA REDDY MUDDASANI
2. VENKAIAH CHOWDARY NANNAPANENI

Application No:947/MAS/2001 filed on 22nd NOV 2001
Division to Patent Application No: 157/MAS/01Dated:22/02/01
Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

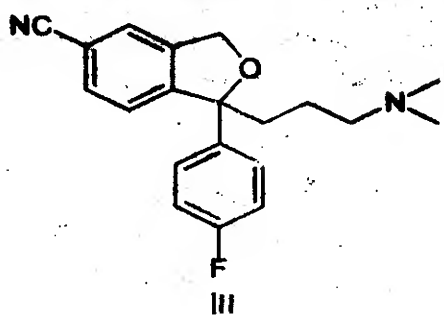
9 Claims

1. An improved process for the preparation of 1-(4'-fluorophenyl)-1,3-dihydro-isobenzofuran-5-carbonitrile of formula-II,




II

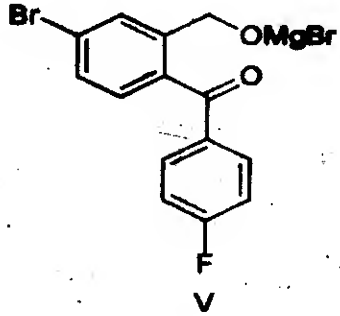
which is useful for the preparation of citalopram of formula III,




III

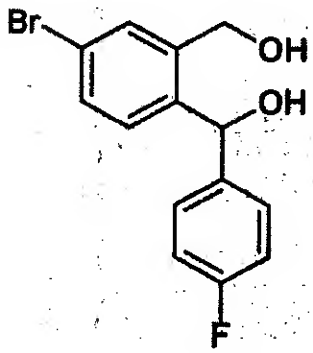
comprises:

(i) carbonyl group reduction of the benzophenone derivative of formula-V,



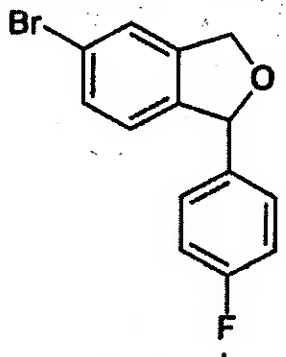

V

with sodium borohydride in the presence of an alcoholic solvent at a temperature in the range of -25°C to 10°C to obtain the compound of formula-VIII,



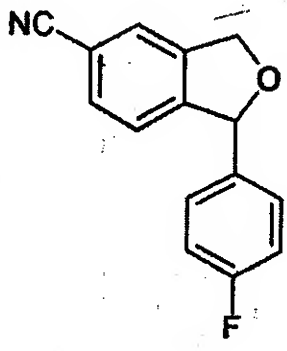

VIII

(ii) cyclization of the compound of formula-VIII obtained in step (i) with an acid catalyst in a non-polar solvent to obtain a compound of formula-I,




I

(iii) nucleophilic displacement of bromo group present in the compound of the formula-I obtained in step (ii) with cuprous cyanide in dimethylformamide solvent medium and isolating the resulting cyano compound, by crystallization technique using polar and or alcoholic solvents to obtain the compound of the formula-II




II

Reference to : INDIAN APPLICATION NO. 157/MAS/01;946/MAS/01; 948/MAS/01 US PATENT 4136193;4650884;WO/98/019513; WO 98/019512; WO 00/011926; 00/013648.

Comp.Specn. 19 Pages; Drgs NIL Sheets.

Ind.Cl.:172C2 **194533**

Int.Cl[7]:DO1G-19/26

AN IMPROVED DRIVE SYSTEM FOR A COMBING MACHINE AND A COMBING MACHINE INCORPORATING THE SAME.

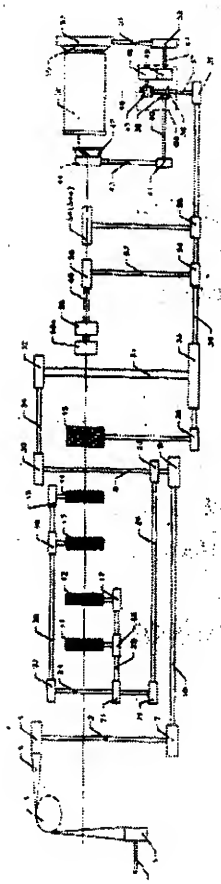
Applicant: LAKSHMI MACHINE WORKS LIMITED
of perianaickenpalayam
COIMBATORE 641 020, TAMIL NADU
an indian company INDIA

Inventors: 1. PERIASWAMY LAKSHMI NARASIMHAN
2. ADAIKALASAMY JOHN BRITTO

Application No:819/MAS/2001 filed on 5th OCT 2001

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

3 Claims



An improved drive system for a combing machine comprising plurality of combing heads and a main drive shaft (1) arranged in horizontal plane parallel to the longitudinal direction of combing heads, drafting arrangement with drafting rollers (11,12,13,14,15 ) placed horizontally with their axes arranged perpendicular to the axis of said main drive shaft (1), a coiler (42 ) and a can plate (50) which are rotatable in their vertical planes about an axis perpendicular to said drafting rollers (11,12,13,14,15), the said coiler(42) and the said can plate(50) being drivingly connected to the drafting arrangement drive characterized in that between the said main drive shaft (1) and the said drafting rollers (11,12,13,14,15) there is located a first drive comprising of pulleys (3&4) deflection pulleys(5) crossed toothed belt (6), the said pulley (3) being fixed to the said drive shaft (1) and the said pulley (4) being fixed to a drafting arrangement drive shaft (2) and a second drive comprising of a gear box unit (GB) whose input shaft (37) drivingly connected to an intermediate shaft (31) the said gear box unit (GB) being further provided with a first out put shaft (47) drivingly connected to said can plate(50) and the second out put shaft (40) drivingly connected to the said coiler (42).

Comp.Specn. 11 Pages; Drgs 2 Sheets.

Ind.Cl.:32 F2A

194534

Int.Cl[7]:C07C 51/02

PROCESS FOR THE PRODUCTION OF AMORPHOUS ATORVASTATIN CALCIUM.

Applicant: BIOCON LIMITED
AN INDIAN COMPANY OF 20TH KM
HOSUR ROAD, HEBBAGODI
BANGALORE 561 229 KARNATAKA.
INDIA

Inventors: 1. SHANMUGHASAMY Rajmahendra;
2. MATHEW Joy;
3. POORNAPRAJNA Acharya;
4. GANESH Sambasivam.

Application No:757/MAS/01 filed on 13th SEP 01

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

4 Claims

A process for the preparation of amorphous atorvastatin [R-(R*,R*)]-2-(4-fluorophenyl)-β,δ-dihydroxy-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-1H-pyrrole-1-heptanoic acid hemi calcium and hydrates thereof which comprises;

(i) dissolving heterogeneous mixture of atorvastatin calcium in a non-polar solvent,
(ii) adding a non-polar solvent or adding the dissolved atorvastatin to the non-polar solvent to precipitate out atorvastatin calcium and
(iii) removing the solvent by filtration followed by drying to afford amorphous atorvastatin calcium.

Reference to : WO 00/71116 US 5,342,952

Comp.Specn. 9 Pages; Drgs 2 Sheets.

Ind.Cl.: $32F_3(a)$ **194535**

Int.Cl[7]:C07D 307/78; C07D 307/87.

A METHOD FOR THE PREPARATION OF CITALOPRAM

Applicant: H.LUNDBECK A/S
OF 9 OTTILIAVEJ, DK-2500 VALBY
COPENHAGEN, A DANISH COMPANY DENMARK

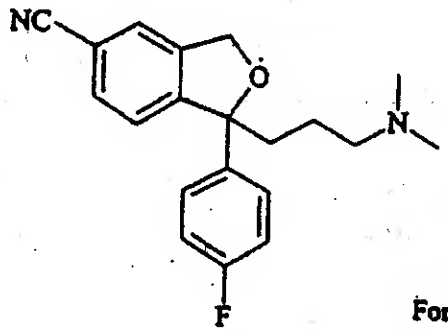
Inventors: 1. HANS PETERSEN
2. HALEH AHMADIAN

Application No680/MAS/2001 filed on 17th AUG 2001

Convention No.PA 2000 01231 on, 18th AUG 2000 in DENMARK
Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

5 Claims

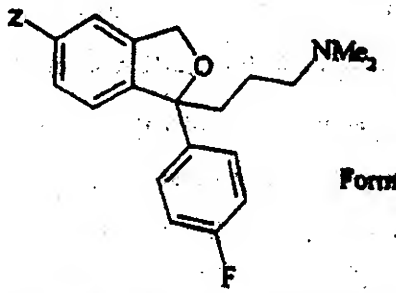
1. A method for the preparation of citalopram of Formula I



Formula I

the said method comprising the steps of :

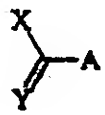
(i) reacting a compound of Formula VIII



Formula VIII

wherein Z is halogen, with Mg or an organolithium compound, e.g. n-BuLi, or with an organometallic complex composed of Mg and/or Mn and/or Li and alkyl or aryl groups to achieve a first intermediate;

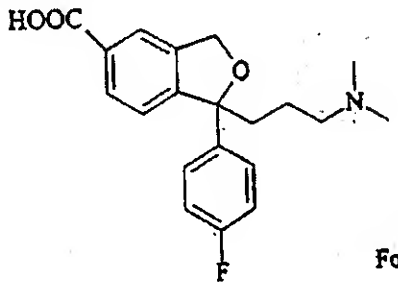
(ii) reacting said first intermediate with $CO_2$, $CS_2$ or a compound of Formula IX



Formula IX

wherein A and X are independently selected from halide, CN, $OR^5$ or $SR^6$ wherein $R^5$ and $R^6$ are independently selected from $C_{1-6}$ alkyl, aryl, heteroaryl or benzyl and each of these $C_{1-6}$ alkyl, aryl, heteroaryl or benzyl groups are unsubstituted or substituted with halogen, $C_{1-4}$ alkyl, cyano, hydroxy, $C_{1-4}$ alkoxy, trifluoromethyl, nitro, amino, $C_{1-4}$ alkylamino or di-$C_{1-4}$alkylamino, $NR^7R^8$ where $R^7$ and $R^8$ are independently selected from hydrogen, $C_{1-6}$ alkyl, aryl, heteroaryl or benzyl and each of these $C_{1-6}$ alkyl, aryl, heteroaryl or benzyl groups are unsubstituted or substituted with halogen, $C_{1-4}$ alkyl, cyano, hydroxy, $C_{1-4}$ alkoxy, trifluoromethyl, nitro, amino, $C_{1-4}$ alkylamino or di-$C_{1-4}$ alkylamino; Y is O, S, or $NR^9$ where $R^9$ is selected from hydrogen, $C_{1-6}$ alkyl, aryl, heteroaryl or benzyl and each of these $C_{1-6}$ alkyl, aryl, heteroaryl or benzyl groups are unsubstituted or substituted with halogen, $C_{1-4}$ alkyl, cyano, hydroxy, $C_{1-4}$ alkoxy, trifluromethyl, nitro, amino, $C_{1-4}$ alkylamino or di-$C_{1-4}$ alkylamino; to achieve a second intermediate;

(iii) reacting said second intermediate with water, a hydroxide such as NaOH, or an aqueous solution of an acid to obtain a compound of formula IV; and




Formula IV

(iv) reacting the compound of Formula IV with a dehydrating agent, such as herein described, and a sulfonamide of the Formula $H_2H$-$SO_2$-R wherein R is:

(d) an optionally substituted $NH_2$, or $C_{1-6}$ alkyloxy,

(e) aryloxy or heteroaryloxy optionally substituted with halogen, $C_{1-4}$-alkyl, cyano hydroxy, $C_{1-4}$-alkoxy, trifluoromethyl, nitro, amino, $C_{1-4}$-alkylamino or di-$C_{1-4}$-alkylamino, or

(f) aryl or heteroaryl optionally substituted with halogen $C_{1-4}$-alkyl, cyano, hydroxy, $C_{1-4}$-alkoxy, trifluoromethyl, nitro, amino, $C_{1-4}$-alkylamino or di-$C_{1-4}$-alkylamino;

to obtain citalopram of Formula I as the base or a pharmaceutically acceptable salt thereof.

Comp.Specn. 18 Pages; Drgs NIL Sheets.

Ind.Cl.:18D, 146 **194536**

Int.Cl[7]:G 02 B 6/44, H 02 G 1/06

" METHOD OF INSTALLING AN OPTICAL FIBRE UNIT IN A TUBE"

Applicant: 1. EMTELLE UK LIMITED OF ANNFIELD ESTATE, OXNAM ROAD, JEDBURGH, ROXBURGHSHIRE, SCOTLAND TD8 6NN, UK
2. BICC PLC OF DEVONSHIRE HOUSE, MAYFAIR PLACE, LONDON W1X 5FH, UK
3. CORNING LIMITED OF WEAR GLASS WORKS, SUNDERLAND SR4 6EJ, UK
ALL UK COMPANIES

Inventors: 1. GEORGE HENRY PLATT BROWN
2. JOHN TANSEY

Application No:1206/MAS/1996 filed on 09th July 1996

Convention No: 9514204.8 filed on 12/07/1995, UK

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

13 Claims

FIG.1

A method of installing an optical fibre unit (1) in a tube, in which the fibre unit is a lightweight fibre unit having a weight of not more than 5 g/m, characterized in that at least substantially all of the installation force is provided by attaching a pulling member (3) to one end thereof and exerting a pulling force thereon.

FIG.2

Comp.Specn. 16 Pages; Drgs 02 Sheets.

Ind.Cl.:104J

**194537**

Int.Cl[7]:B 28 B 1/14, B28B 1/26

A METHOD OF MANUFACTURING A LIGHT-WIEGHT CALCIUM SILICATE BOARD

Applicant: ASK CORPORATION
OF 5-5, TSURUMI-CHUO
2-CHOME, TSURUMI-KU,YOKOHAMA-SHI,
KANAGAWA 230 (A JAPANESE COMPANY)
JAPAN

Inventors: 1. Seishiro Suzuki
2. Masato Sakiyama
3. Takuya ASAMI
7. Toru Sugiyama 4. Tomoki IWANAGA
8. Masaaki ODA 5. Yasuhide OSHIO
6. Shigemitsu SHIROMOTO

Application No:1186/MAS/96 filed on 5th JUL 96

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

2 Claims

1. A method of manufacturing a light-weight calcium silicate board comprising; a step of forming a material slurry into a prescribed shape, said material slurry comprising, as a solid component, 17 to 50wt% of caleareous material, 15 to 45wt% of silica containing material, 2 to 8 wt% of fiber material and 5 to 40wt% of inorganic fillers; and a step of hydrothermally reacting the obtained molded body in a pressure container, wherein 2 to 20wt% of at least one kind of amorphous silica containing material and silicate material, each having a specific surface area of 1 $m^2/g$ or more, is used as a portion of said silica containing material; and, before said hydrothermal reaction, said molded body is subjected to primary curing under conditions where (curing temperature – 15) x curing time $\geq$ 120°C·hr.

Comp.Specn. 29 Pages; Drgs NIL Sheets.

Ind.Cl.:172 F

194538

Int.Cl[7]:D 01 H - 13/32

" A DEVICE FOR DETECTING THE MASS OF FIBRE MATERIAL AT THE ENTRANCE OF A SPINNING BOX IN A SPINNING MACHINE"

Applicant: USTER TECHNOLOGIES AG
A SWISS COMPANY
WILSTRASSE 11
CH-8610, USTER
SWITZERLAND

Inventors: 1. FRANCOIS BAECHLER

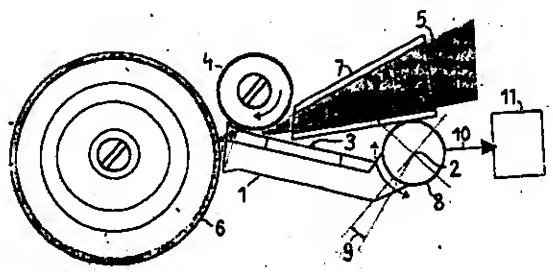
Application No1068/MAS/1996 filed on 18/06/1996

Convention No.02/ 128/95-1 filed on 19/07/1995 in SWISS

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

8 Claims

1. A device for detecting the mass of fibre material at the entrance of a spinning box in a spinning machine, characterized in that a measuring element for measuring fibre material fed to the spinning box is fixed on a feed trough (1) rotatably mounted about an axis (2) and having a guide surface (3) for the fibre material (5), whereas said guide surface is arranged approximately tangential to the circumference of a feed roller (4) of the spinning box in the rotor spinning machine for pressing the incoming fibre material against the feed roller.




Comp.Specn. 12 Pages; Drgs 4 Sheets.

Ind.Cl.:153

194539

Int.Cl[7]:A 47 L 17/00

" A HAND HELD CLEANING DEVICE AND A METHOD OF MAKING A CLEANING DEVICE"

Applicant: MEGLADON INDUSTRIES,
A COMPANY ORGANIZED UNDER THE LAWS OF CAYMAN ISLANDS,
P O BOX 1034, ONE CAPITAL PLACE,
SHEDDEN ROAD, GEORGE TOWN,
CAYMAN ISLANDS

Inventors: 1. BARRETT H. MOORE
2. HERMANUS JOHANNES BEENTJES

Application No906/MAS/1996 filed on 28th May 1996

Convention No.08/457, 976 filed on, 01st June 1995 in USSN

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

33 Claims

A hand held cleaning device, comprising: a mitt of latex material for receiving a user's hand, the mitt having opposed front and back major surfaces adapted to cover a user's hand; a pad of cleaning media covering at least a part of the front surface of the mitt; and the pad of cleaning media joined to the mitt by latex-to-latex fusion.

Comp.Specn. 29 Pages; Drgs 07 Sheets.

Ind.Cl.:172 C2 **194540**

Int.Cl[7]:D 01 G - 19/22

# A COMBING MACHINE WITH A NIPPER ARRANGEMENT.

Applicant: MASCHINENFABRIK RIETER AG
OF KLOSTERSTRASSE 20,
CH-8406,WINTERTHUR
A SWISS COMPANY
SWITZERLAND

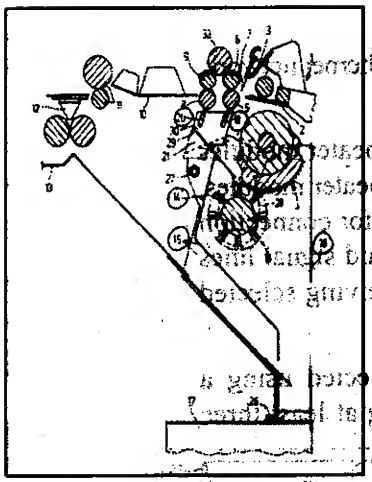
Inventors: 1. UELI STUTZ
2. HEINZ CLEMENT
3. WALTER SLAVIK

Application No1011/MAS/96 filed on 10th JUN 96

Convention No.02 192/95-0 on, 26th JUL 95 in SWITZERLAND

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003),
Patent Office, Chennai Branch.

10 Claims



1. A combing machine with a nipper arrangement (1), a circular comb (4) for combing of fibre fringes nipped by the nipper arrangement (1), a noils suction duct (14, 15, 16), a back detaching roll (5) against the circumferential surface of which a first longitudinal edge of a back stripper bar (19) fits, and a front detaching roll (8) against the circumferential surface of which a first longitudinal edge of a front stripper bar (20) fits contactingly, characterised in that adjacent to a second longitudinal edge of each stripper bar (19, 20) located opposite the first longitudinal edge a free space provided communicating with the inside room of the noils suction duct (14, 15, 16).

Comp.Specn. 11 Pages; Drgs 2 Sheets.

Ind.Cl.:187 H

**194541**

Int.Cl[7]:H 04 B 3/56

194541

" BACKPLANE ARCHITECTURE FOR STACKABLE ETHERNET REPEATER"

Applicant: 3COM CORPORATION
A US COMPANY
5400 BAYFRONT PLAZA,
SANTA CLARA, CALIFORNIA 95052-8145
USA

Inventors: 1. David A. Kranzler,
2. Ching-Yao Chu,
3. Wen-Tsung Tang

Application No:888/MAS/1996 filed on 24/05/1996

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

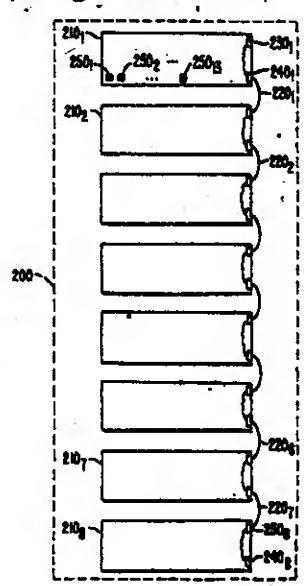
24 Claims

1. A backplane architecture for a logical stackable Ethernet repeater for an Ethernet network, comprising :

a plurality of stackable repeater modules, each one of said stackable repeater modules being connectable by bus-type signal lines to another one of said stackable repeater modules, and each one of said stackable repeater modules having a plurality of ports for connection to stations, each one of said stackable repeater modules being coupled to said signal lines by wired–OR connections using a first logic type for transmitting and receiving selected signals; and

each one of said stackable repeater modules being wired-OR connected using a second logic type to an activity signal line, said activity signal line having at least three logic states to indicate collisions within said Ethernet network.

Comp.Specn. 18 Pages; Drgs 2 Sheets.



Ind.Cl.:172 B

194542

Int.Cl[7]:D 01 G 015/08; D 01 G 015/28

" A DRIVE BELT FOR THE FLATS OF A REVOLVING FLAT CARD"

Applicant: MASCHINENFABRIK RIETER AG
A SWISS COMPANY
KLOSTERSTRASSE 20
CH-8406, WINTERHUR
SWITZERLAND

Inventors: 1. PAUL CAHANNES
2. OLIVER WUEST

Application No841/MAS/1996 filed on 20/05/1996

Convention No.02 082/95-3 on, 14/07/1995 in SWITZERLAND

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

28 Claims

1. A drive belt for the flats (222) of a revolving flat card in which the belt (200) is provided with connecting elements (208, 210) which are forming integral parts of a flexible belt (202) and are arranged in pairs in such a manner that a pair of elements (204, 206, 207) can be taken up in an element 226 of the flat, a snap-on connection being formed, characterised in that each element comprises a transverse rib (208, 210) provided with an inclined surface (214, 216), and in that the inclined surfaces (214, 216) of a pair of ribs (204, 206, 207) are oriented in mutually opposed longitudinal directions of the flexible belt (202), and in that, as the belt (202) is extended straight, the angle ($\alpha$) enclosed between each inclined surface (214, 216) and the surface (220) of the belt (202) neighbouring it, ranges from 60 to 80 degrees.

Comp.Specn. 22 Pages; Drgs 5 Sheets.

Ind.Cl.:87a, 20B

**194543**

Int.Cl[7]:G 09 B - 9/058

"AN APPARATUS FOR SIMULATING A RIDE ON A VEHICLE".

Applicant: HONDA GIKEN KOGYO KABUSHIKI KAISHA of (also trading as HONDA MOTOR CO LTD), 1-1,2-CHOME MINAMI-AOYAMA, MINATO-KU, TOKYO, A JAPANESE CORPORATION; JAPAN

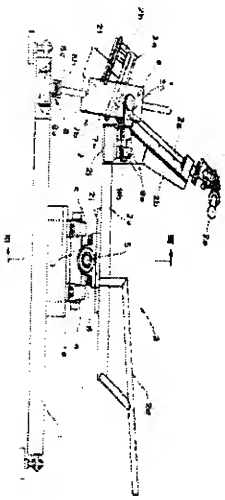
Inventors: 1. SATORU ICHIHASHI
2. MASAYOSHI KAI
3. RYUICHI OKAMURA
4. KUNIKAZU NEGISHI
5. TAKESHI MASAKI

Application No787/MAS/2000 filed on 20th SEP 2000

Convention No.270786/1999 on, 24th SEP 1999 in JAPAN

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

2 Claims



1. An apparatus for simulating a ride on a vehicle in a form of a motorcycle, said apparatus having a base (1); and a simulated vehicle body (2) on which a rider can ride and which is supported on said base (1) with a freedom of two axis rotation about a rolling axis which is elongated in a longitudinal direction of said simulated vehicle body and a pitching axis which is elongated in a lateral direction of said simulated vehicle body, said simulated vehicle body comprising a front column which has mounted on an upper end thereof a handle for steering said simulated vehicle body, said apparatus comprising; a pair of linear actuators (7,7) disposed in an erected posture in a position offset, relative to the pitching axis, toward said front column which lies on a front side in an axial direction of the rolling axis, said actuators (7, 7) being disposed symmetrically relative to a plane which crosses at a right angle to the pitching axis and which includes an axial line of the rolling axis, wherein a fixing member (7b) of each of said actuators (7, 7) is coupled to said base (1), and a movable member (7a) of each of said actuators (7, 7) is coupled to a lower portion of the front column (2b) respectively through universal joints.

Comp.Specn. 15 Pages; Drgs 3 Sheets.

Ind.Cl.: 11 C **194544**

Int.Cl[7]:A 23 K 1/00

**"A PROCESS FOR MANUFACTURING HIGHLY NUTRITIOUS FEED FOR AQUARIUM FISHES"**

Applicant: MD. KALEEMUR RAHMAN
AN INDIAN CITIZEN
173/4, IV AVENUE, ANNA NAGAR WEST,
CHENNAI - 600040, TAMIL NADU
INDIA

Inventors: MD. KALEEMUR RAHMAN

Application No:572/MAS/1999 filed on 20/05/1999

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

5 Claims

1. A process for manufacturing highly nutritious feed for aquarium fishes comprises the following steps

a. cleaning the Tubifex micro worms in gentle and slow running water for a period of 4 hours for removing filth. The water is changed in the container and kept again for 8 hours in running water for depuration and removing the harmful pathogenic bacteria from the gut of the worms.

b. separation of the worm for removing the dead worms and decaying organics waste and treating with water before treating further.

c. filtering the said worms with 50-100 micron bolting silk.

a. drying the said worms with tissue paper.

b. placing the said worms in a large bowl, the said bowl having provision for free circulation of air.

c. adding a prescribed quantity of drying compound (DC) in to the bowl, the said mixing withered for a period so that individual worm being visible.

d. sieving the said product.

e. drying for about four hours, cleaning and packing the feed.

Comp.Specn. 9 Pages; Drgs NIL Sheets.

Ind.Cl.:55F/128 G

194545

Int.Cl[7]:A61 J 3/07

# A DEVICE FOR DISPENSING POWER INTO HARD GELATIN CAPUSULES OR THE LIKE

Applicant: ROBERT BOSCH GMBH
POSTFACH 30 02 20, D -70442
STUTTGART FEDERAL REPUBLIC OF GERMANY
A GERMAN COMPANY GERMANY

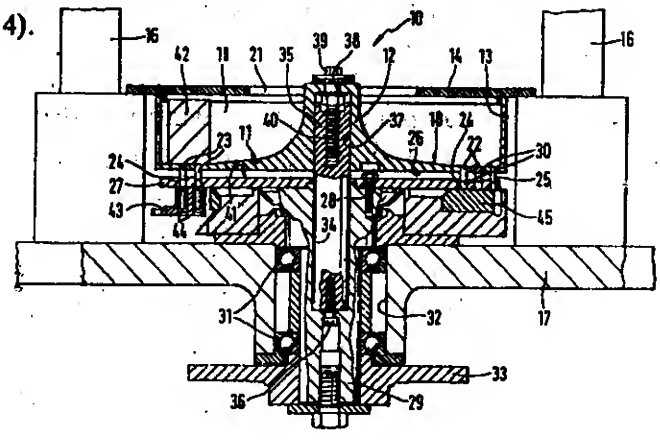
Inventors: 1. REINER WURST
2. EBERHARD KRIEGER
3. MANFRED KUHNLE
4. WERNER RUNFT

Application No:329/MAS/97 filed on 18TH FEB 97
Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

6 Claims

A device for dispensing powder into hard gelatin capsules or the like, having a metering disc (11) which revolves in steps about a vertical axis of rotation (1) and by means of side walls (13) forms a storage chamber (19) for the powder, the bottom (18) of which metering disc has first bores (22) which receives the powder and in which the powder is formed into compacts by means of plugging rams, having means for ejecting the compacts into capsule lower parts provided beneath the metering disc (11), and having means for altering the volume of the compacts, characterized in that the means for altering the volume (30) comprise a disc-like element (27) which revolves synchronously with the metering disc (11), is located between the metering disc (11) and the provided capsule lower parts and has second bores (24), which are aligned with the first bores (22) in the metering disc (11), in that a variable distance (a) can be set between the metering disc (11) and the element (27) in the direction of the axis of rotation (1), and in that in each case one sleeve (23) is located in the first and second bores (22, 24), which are respectively aligned with respect to one another, which sleeve penetrates at least partially into the said bores and is able to bridge the distance (a) between the first and second bores (22, 24).

Reference to : DE 2346070A




Comp.Specn. 10 Pages; Drgs 2 Sheets.

Ind.Cl.:33E, 33C 194546

Int.Cl[7]:B 22 D 041/08

" NOZZLE FOR INTRODUCING A LIQUID METAL INTO A MOULD FOR CONTINUOUS CASTING OF METALS"

Applicant: 1. USINOR SACILOR (SOCIETE ANONYNE), IMMEUBLE "LA PACIFIC" - 11/13 COURS VALMY - LA DEFENSE 7 - 92800 - PUTEAUX, FRANCE,
A FRENCH COMPANY AND
2. THYSSEN STAHL AKTIENGESELLSCHAFT, OF KAISER - WILHELM - STRASSE 100, D - 47166,
DUISBURG, (ALLEMAGNE), GERMANY,
A GERMAN COMPANY

Inventors: 1. JEAN MICHEL DAMASSE
2. LUC VENDEVILLE
3. GERARD RAISSON
4. LAURENT GACHER

Application No1548/MAS/1996 filed on 04th September 1996

Convention No.95 11375 filed on 28th September 1995 in FRANCE

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

09 Claims

1. A nozzle for introducing a liquid metal into a mould for continuous casting of metals, comprising a tubular first part (2) with one end connected to a receptacle enclosing the said liquid metal, and the other end (4) opening into a hollow second part (6) in which at least one portion (29) of the internal space (7) is oriented substantially perpendicularly to the said tubular first part (2), the said portion (29) comprising at each of its ends at least one orifice (10, 11) for opening into the casting space of the said mould, characterized by an obstacle placed in the path of the liquid metal inside the said tubular first part (2) or in its extension , the said obstacle consisting of at least one perforated component for diverting the metal from its preferential trajectory inside the nozzle.

Comp.Specn. 16 Pages; Drgs 02 Sheets.

Ind.Cl.:94 G

194547

Int.Cl[7]:B 02 C 25/00;B02 C 21/00

# A DEVICE FOR SHREDDING MATERIALS

Applicant: ABRAHAM EVERATTUKIZHAKETHIL JOSEPH
OF ALAMPALLY ESTATE,
PASUPPARA PO,
IDUKKI DISTRICT,
KERALA.

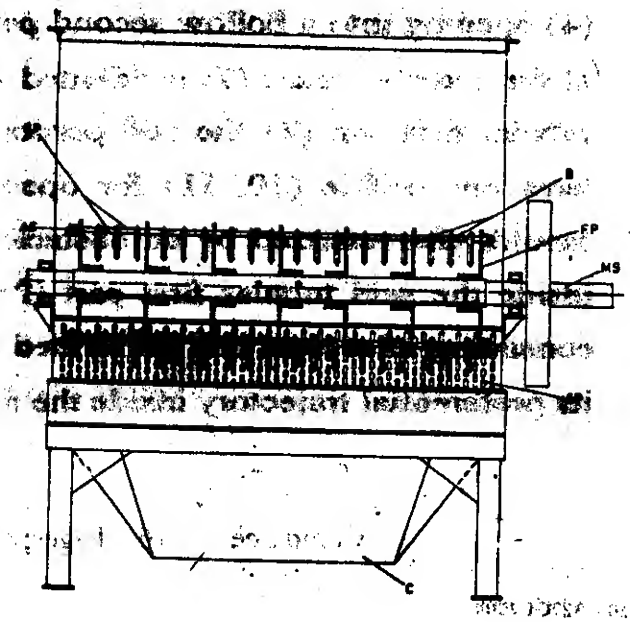
Inventors: 1. ABRAHAM EVERATTUKIZHAKETHIL JOSEPH

Application No:1471/MAS/96 filed on 20TH AUG 96

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

## 12 Claims

A device for shredding materials comprising a housing provided with an inlet to receive the matter to be shredded, an outlet for discharging the shredded matter, a drivable shaft and blade assembly disposed horizontal to the base of the said housing, the said assembly having a main shaft provided with a plurality of fixedly mounted plates, the said plates holding a plurality of auxillary shafts, a plurality of freely rotatable blades spacedly disposed on the said auxillary shafts and a grater plate communicating with the outlet.




Comp.Specn. 9 Pages; Drgs 1 Sheets.

Ind.Cl.:172C

194548

Int.Cl[7]:D 04 H

"A FLEECE GUIDE AND A METHOD FOR THE LATERALLY GUIDED INTRODUCTION OF SLIVER",

Applicant: RIETER INGOLSTADT Spinnereimaschinenbau aktiengesellschaft
A GERMAN COMPANY
FRIEDRICH-EBERT-STRASSE 84,
D-85046 INGOLSTADT
GERMANY

Inventors: 1. PETER DENZ
2. ALFRED NAUTHE

Application No1453/MAS/96 filed on 16th AUG 1996

Convention No.195 38 477.6 on, 16thOCT1995 in GERMANY

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

18 Claims

A fleece guide in a machine processing textile fibre, especially in a drawframe having downstream calender rollers or discs (100a, 100b), in which (a) An exchangeable funnel insert (30) with a forwardly narrowing and opening (31a) sliver duct (31), the axis (34a) of which is inclined relative to the connecting plane (90) of the axis of rotation (101a, 101b) of the calender discs (100a, 100b), compacts the sliver and introduces it into the nip (K) between the calender discs;

Characterized

(b) In that the front end of the insert (30) has, on both sides of the front-end sliver-duct orifice (31a), guide portions (32, 33), the mid-plane (34) of which runs essentially perpendicularly to the said connecting plane (90).

Comp.Specn. 17 Pages; Drgs 2 Sheets.

Ind.Cl.:D01G 15/68

194549

Int.Cl[7]:172 C 4

" A TONGUE FOR EASY TRANSFER OF WEB FROM CARDING CYLINDER TO DOFFER"

Applicant: LAKSHMI MACHINE WORKS LIMITED
AN INDIAN COMPANY
PERIANAICKENPALAYAM
COIMBATORE - 641020, TAMILNADU
INDIA

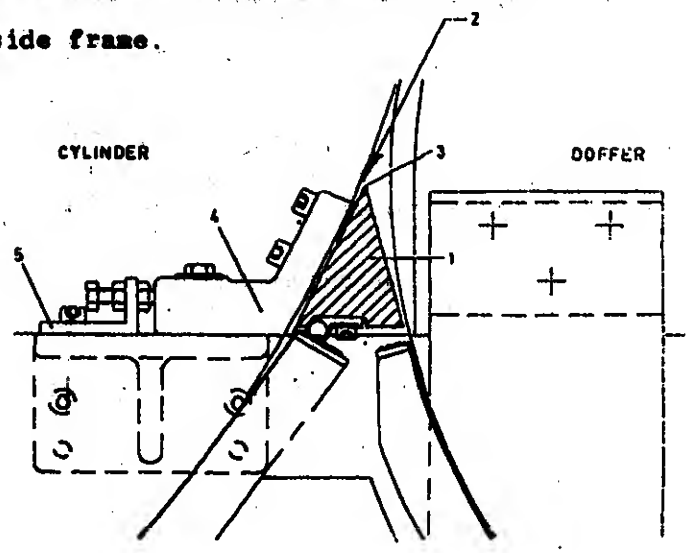
Inventors: 1. MANDL GERHARD
2. VERZILLI GIUSEPPE
3. KULUR BALARAM KRISHNAN

Application No:2108/MAS/1996 filed on 26/11/1996

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

3 Claims

1. A tongue for easy transfer of web from carding cylinder to doffer said tongue comprising a sturdy triangular shaped member (1) with nose (3) of the triangular shaped member being located very close to the fibre transfer zone (2) between carding cylinder and doffer, the said triangular shaped member (1) being mounted on holding brackets (4) on each side frame of the carding machine and adjusting and locking means (5) are provided in front of the holding bracket on each side frame.




Comp.Specn. 5 Pages; Drgs 1 Sheets.

Ind.Cl.:172 D2 194550

Int.Cl[7]:D 01 G 15/00

AN AUTOMATIC DOFFING EQUIPMENT FOR RING SPINNING MACHINE.

Applicant: LAKSHMI MACHINE WORKS LIMITED
PERIANAICKENPALAYAM,
COIMBATORE 641 020, TAMIL NADU
an indian company
INDIA

Inventors: 1. KULUR BALARAMA KRISHNAN
2. RAMASAMY DURAISAMY
3. RAMACHANDRAN SURESHKUMAR

Application No:1397/MAS/96 filed on 7th AUG 96

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

11 Claims

An automatic doffing equipment for ring spinning machine comprising a doffer beam (1) having a plurality of grippers (3) pivotably and rotatably mounted thereon, each gripper having releasable top (4) and bottom (4a) retaining elements and gripping means (7) for gripping the tubes, actuating means (5,6) for releasing either the top or the bottom retaining elements of the gripper from the doffer beam and sensing means (11, 11a) for sensing the release of the retaining elements from the doffer beam.

Comp.Specn. 13 Pages; Drgs 3 Sheets.

Ind.Cl.:58

194551

Int.Cl[7]:E 06 B 3/00, E 06 B 3/08

" A MODULAR FRAME ASSEMBLY FOR DOORS, WINDOWS, VENTILATORS AND THE LIKE"

Applicant: PADUCHURI PRATAP,
AN INDIAN NATIONAL,
JYOTI FIBRE GLASS SCREENS,
12/717 SAI NAGAR, ANANTAPUR 515001, ANDHRA PRADESH, INDIA

Inventors: 1. PADUCHURI PRATAP

Application No:1272/MAS/1996 filed on 18th July 1996

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

14 Claims

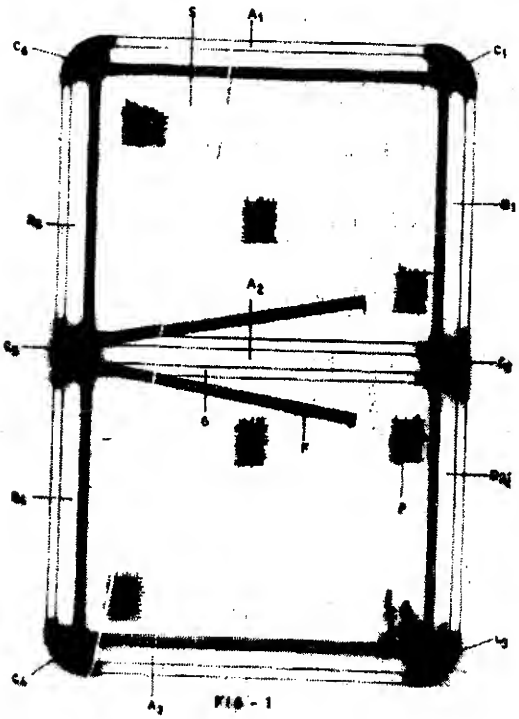


FIG - 1

A modular frame assembly for doors, windows, ventilators and the like, comprising a first and a second set of elongated parallel members intersecting each other to provide a grid having at least one quadrilateral space, at least the end portions of each of the elongated members being hollow, the said elongated members having grooves either on one or both the edges thereof, corner members slidable into the hollows of the two sets of elongated members for aligning the same, the said corner members having lugs or abutments to restrict their sliding movement and to hold the said parallel members in position, grooves of the elongated members having fixing means such as gaskets for detachably holding protective elements in the quadrilateral spaces.

Comp.Specn. 11 Pages; Drgs 02 Sheets.

Ind.Cl.:134 D

194552

Int.Cl[7]:B 62D 7/00, 1/00;B62K 21/00

# A CAST BOTTOM BRIDGE FOR USE IN A STEERING ASSEMBLY

Applicant: HONDA GIKEN KOGYO KABUSHIKI KAISHA
OF 1-1, MINAMI-AOYAMA
2-CHOME MINATO-KU,TOKYO
A JAPANESE CORPORATION
JAPAN

Inventors: 1. HIROSHI MITSUYOSHI
2. YASUO MASUDA
3. MASAAKI HAYAKAWA
4. YUJI HIRAKAMI

Application No:1271/MAS/96 filed on 18th JUL 96

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

6 Claims

A cast bottom bridge for use in a steering assembly having a stem pipe and a pair of front fork members, comprising a central region having a central hole defined therein for receiving the stem pipe therein; a pair of arms extending away from each other from said central region, said arms having respective holes defined therein for receiving the front fork members, respectively, each of said arms having a cavity defined in a lower surface thereof between the central hole and one of said holes by front, rear and upper walls of the arm, the upper wall being thinner than the front and rear walls, wherein the upper wall has a thickness in a range of about 40 to 80% of the thickness of the front and rear walls.

Comp.Specn. 18 Pages; Drgs 5 Sheets.

Ind. Cl. :94G

194553

Int. Cl[7]:A47J 43/26; A23N 5/00

" A DEVICE FOR AUTOMATICALLY FEEDING CASHEW NUTS TO SHELLING MACHINES"

Applicant: OLTREMARE S.p.A.,
AN ITALIAN JOINT STOCK COMPANY
VIA PIEMONTE 5 - I - 40069
ZOLA PREDOSA, PROVINCE OF BOLOGNA
ITALY

Inventors: 1. AMEDEO ROCCETTI

Application No:870/MAS/1996 filed on 23/05/1996

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

9 Claims

1. A device for automatically feeding cashew nuts to shelling machines of known type that has a battery of spring jaws (31) that are open both below and above and are mounted next to each other on a horizontal slideway (32) which at the correct moment moves said jaws from a loading position, in which they are placed against the means for feeding the nuts, standing on their edge, with their longitudinal axis horizontal and with their convex part uppermost, to a position in which the nuts are inserted between respective pairs of upper and lower shelling blades (43, 44), which device is characterized in that it comprises:

- a container (1) with means (2) that feed it with the sized loose nuts (N) up to a predetermined and approximately constant level, means being provided for taking, from this container, streams of nuts, one nut after the other, and for discharging the nuts into the ends of respective orientating channels (18);

- a battery of horizontal orientating channels (18) arranged side by side and parallel with each other, against one of the ends of which said battery of spring jaws is placed, these channels having a cross-section with an approximately V profile such that each nut fed in periodically by upstream means stands on its edge in the channel with its longitudinal axis horizontal and with its convex part either uppermost or downmost; at

least one stop down (120) being provided at an intermediate point of each channel, and each channel having at least one pusher (29), which at the correct moment comes up against the rear of the nut fed in by said means at the starting end of each channel and pushes the nut longitudinally along the channel to the other end, in such a way that, if the nut is orientated with its convex part uppermost, it goes over said stop down without modifying its orientation, whereas if the nut is orientated with its convex part downmost, when it comes to the stop it rises up at the rear in such a way that the pusher rolls it transversely around its forward lobe until its convex part is uppermost; and

- means (35) for exactly inserting the orientated nuts that have reached the rear end of the respective orientating channel, into the open spring-loaded jaws (31), which then transfer the nuts in a known manner to the shelling station.

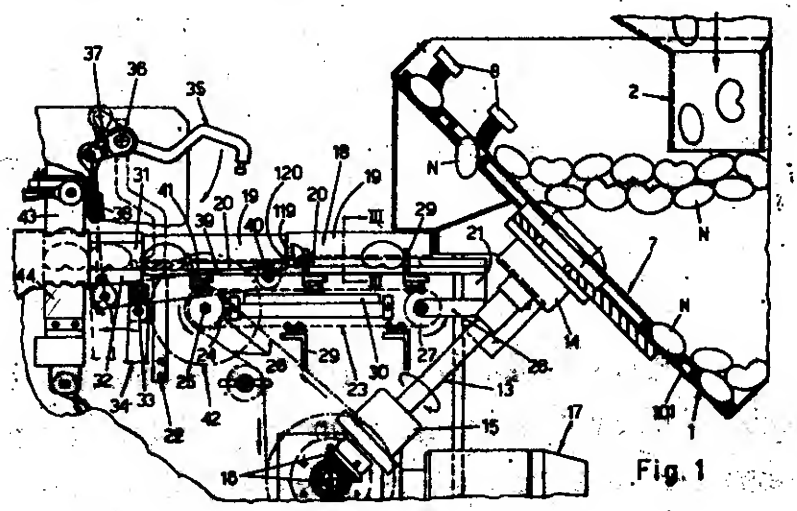


Fig. 1

Comp.Specn. 15 Pages; Drgs 3 Sheets.

Ind. Cl.:153

194554

Int.Cl[7]:B 24 D 011/00

" A COATED ABRASIVE"

Applicant: NORTON COMPANY
A US COMPANY
1, NEW BOND STREET, BOX NUMBER 15138
WORCESTER, MASSACHUSETTS 01615-0138
USA

Inventors: 1. HOWARD R. WRIGHT
2. RICHARD VOGEL
3. RICHARD SARGOOD
4. GWO SHIN SWEI
5. JANE L. CERCENA

Application No:814/MAS/1996 filed on 15/05/1996

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

14 Claims

1. A coated abrasive comprising a backing material with a tensile strength of atleast 45 MPa and comprising a staple fiber mat bonded by a thermoset resin with the resin and fibers present in a volume ratio of from 1:3 to 30:1, said backing being isotropic in the plane of the backing and having an abrasive grain-containing layer adhered to a surface thereof to form a coated abrasive exhibiting dimensional stability.

Comp.Specn. 20 Pages; Drgs 1 Sheets.

Ind.Cl.:172 C1

194555

Int.Cl[7]:D 01 H 5/72, D 01 H 13/04, D 01 G 15/46

" A SLIVER - GUIDING DEVICE FOR A SLIVER - PROCESSING TEXTILE MACHINE AND A METHOD OF MANUFACTURING A DRAWN SLIVER THEREWITH"

Applicant: RIETER INGOLSTADT SPINNEREIMASCHINENBAU AKTIENGESELLSCHAFT,
A GERMAN COMPANY,
OF POSTFACH 10 09 60, FRIEDRICH - EBERT STRASSE 84,
D - 85046 INGOLSTADT,
GERMANY.

Inventors: 1. NAUTHE, ALFRED
2. GOHLER, WOLFGANG

Application No549/MAS/1996 filed on 03rd April

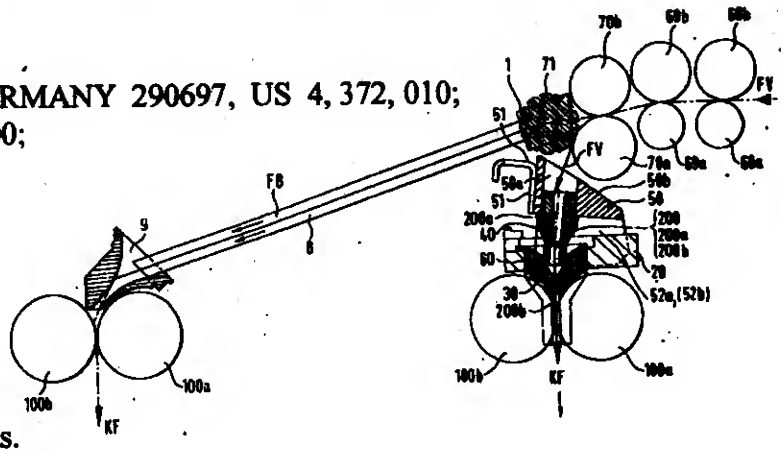
Convention No.29506107.3 on, 07th April 1995 in GERMANY

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003)
Patent Office, Chennai Branch.

24 Claims

A sliver guiding device for a sliver-processing textile machine, in particular arranged between the delivery roller and the calender of a drawing frame, in which, a plurality of nozzle inserts (20, 30, 40, 50, 60) are joined together in the conveying direction of the sliver; the nozzle axis (200) has two axial portions (200a, 200b) displaceable towards one another at an angle ($\alpha_A$, $\alpha_B$, $\alpha_1$, $\alpha_2$), and a pivot axis (V) extending transversely through the sliver-guiding duct.

Reference to : EP 593884 A1; EAST GERMANY 290697, US 4, 372, 010; GERMANY 36 12 133, DE - A 2623400;




Comp.Specn. 19 Pages; Drgs 08 Sheets.

Ind.Cl.:32 C

**194556**

Int.Cl[7]:A 61 K 031/546

" AN IMPROVED PROCESS FOR THE PREPARATION OF CEFPROZIL"

Applicant: ORCHID CHEMICALS & PHARMACEUTICALS LTD.
AN INDIAN COMPANY
ORCHID TOWERES, 313, VALLUVAR KOTTAM
HIGH ROAD, NUNGAMBAKKAM, CHENNAI-600034
INDIA

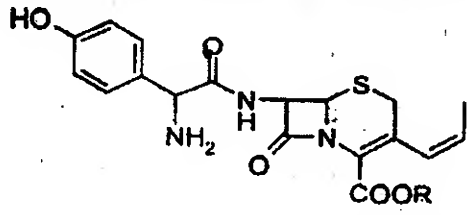
Inventors: 1. PANDURANG BALWANT DESHPANDE
2. BHAUSAHEB PANDHARINATH KHANDANGALE
3. KUMAR GURUSAMY
4. RAMESH ATHMARAM KONDA

Application No:800/MAS/2002 filed on 30/10/2002

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

15 Claims

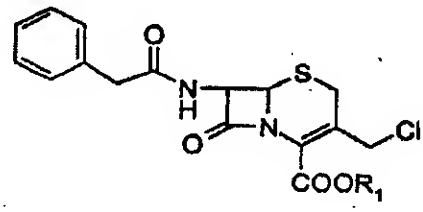
1. A process for the preparation of 7-[2-amino-2-phenylacetamido]-3-cephem-4-carboxylic acid derivatives of the formula (I)




(I)

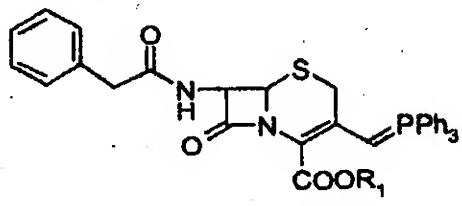
wherein R represents hydrogen, ester which form a prodrug or a counter ion which forms a salt, comprising the steps of :

i) converting the compound of formula (VII)



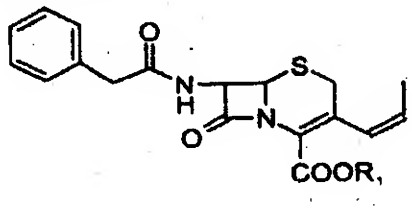

(VII)

wherein $R_1$ represents carboxy protecting group to a compound of the formula (VIII) using Wittig reagent in the presence of solvent and alkali iodide,




(VIII)

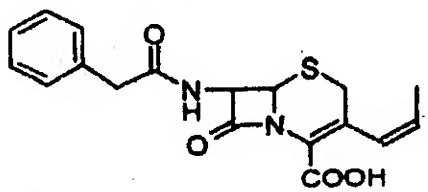
ii) reacting the compound of formula (VIII) with acetaldehyde using lithium chloride in the presence of solvent at a temperature in the range of –10 °C to 30 °C to produce a compound of formula (IX)




(IX)

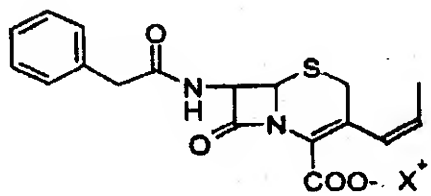
wherein $R_1$ is as defined above,

iii) deesterifying the carboxy protecting group of compound of the formula (IX) using an acid in the presence of solvent at a temperature in the range of 10 °C to 50 °C to yield compound of formula (X),




(X)

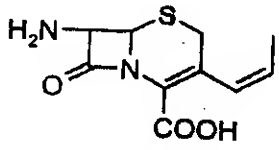
iv) converting the compound of formula (X) to compound of formula (XI)




(XI)

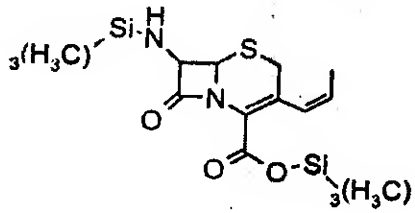
wherein X represents a counter ion which forms a salt in the presence of a base and solvent,

v) neutralizing the compound of formula (XI) followed by enzymatic hydrolysis to produce APCA of formula (V),



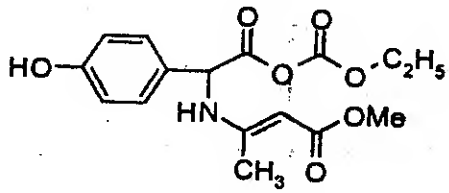
(V).

vi) silylating the APCA of formula (V) using a mixture of trimethyl silylchloride and hexamethyl disilazane in the presence of a halogenated solvent to produce silylated APCA of formula (XII),



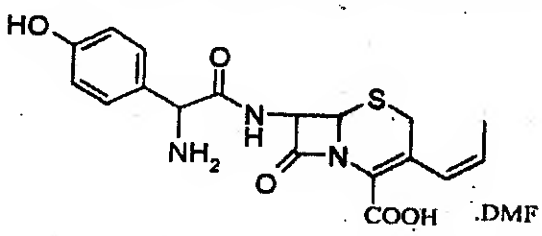
(XII)

vii) condensing the silylated derivative of APCA of the formula (XII) with the mixed anhydride of the formula (XIII)



(XIII)

in the presence of a solvent and a base at a temperature in the range of –50 °C to 10 °C to produce DMF solvate of compound of formula (XIV),



(IV)

viii) hydrolyzing the DMF solvate of compound of formula (XIV) in the presence of solvent to the compound of formula (I).

Comp.Specn. 22 Pages; Drgs NIL Sheets.

Ind.Cl.:32C

194557

Int.Cl[7]:A 61 K 31/545

" AN IMPROVED PROCESS FOR THE PREAPARATION OF CEFIXIME"

Applicant: ORCHID CHEMICALS AND PHARMACEUTICALS LTD.
AN INDIAN COMPANY
ORCHID TOWERS, 313, VALLUVAR KOTTAM
HIGH ROAD, NUNGAMBAKKAM, CHENNAI-600034
INDIA

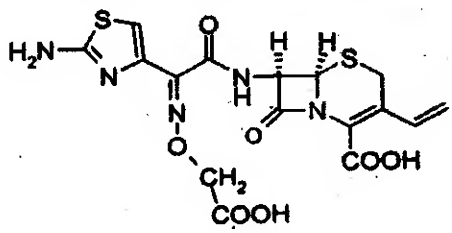
Inventors: 1. PANDURANG BALWANT DESHPANDE
2. GAUTAM KUMAR DAS
3. PRAMOD NARAYAN DESHPANDE
4. RAMASUBBU CHANDRASEKARAN
5. PADMANABHAN RAMAR
6. JOHN MUTHIAH RAJA JEYAKUMAR

Application No:785/MAS/2002 filed on 24/10/2002

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

7 Claims

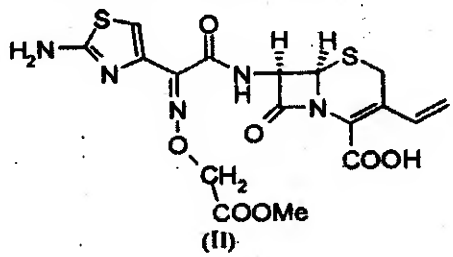
1. An improved process for the preparation of Cefixime of formula (I)



(I)

the said process comprising the steps of:

(i) dissolving the compound of formula (II)



(II)

in water/ethyl acetate using sodium bicarbonate at a temperature in the range of 0°C to the 35°C,

(ii) treating this solution with sodium hydroxide at a temperature in the range of 0°C to25°C ,

(iii) acidifying the resultant mass to pH 2.3 to 3.0 with dil HCl in the presence of solvent at a temperature in the range of 10°C to 45°C, to isolate the compound of formula (I).

Comp.Specn. 9 Pages; Drgs NIL Sheets.

Ind.Cl.:86 B

194558

Int.Cl[7]:A47C 17/00; A47C 27/10

" A NOVEL WATER BED"

Applicant: PRADEEP RANGANATHAN
AN INDIAN NATIONAL
13, CENOTAPH ROAD, TEYNAMPET,
CHENNAI - 600 018, TAMILNADU
INDIA

Inventors: 1. PRADEEP RANGANATHAN

Application No:187/MAS/2002 filed on 18/03/2002

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

9 Claims

A Poly Vinyl Chloride waterbed comprising a plurality of watertight/airtight vinyl bags joined to each other by High Frequency sealing and each watertight/airtight bag provided with a plurality of internal buffering partitions and each buffering partitions (4) provided with holes (5) to permit free flow of air or water within the watertight/airtight vinyl bags and each watertight/airtight vinyl bag fitted with a valve, by high frequency sealing, and such valve being provided to permit inflow/outflow of air or water;

Comp.Specn. 12 Pages; Drgs 8 Sheets.

Ind.Cl.:55 D2

194559

Int. $Cl^7$:A01N 63/00

" A PROCES FOR NEW ENTOMOPATHOGENIC FORMULATION FOR USE AS ROOT FEED TO CONTROL THE COCONUT ERIOPHYID MITE"

Applicant: T. STANES AND COMPANY LIMITED
AN INDIAN COMPANY
8/23-24, RACE COURSE ROAD,
COIMBATORE-641018, TAMILNADU
INDIA

Inventors: 1. SANTHANAM RAMARETHINAM

Application No958/MAS/2001 filed on 26/11/2001

Complete specification Left: 20/05/2002

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

16 Claims

1. A process for entomopathogenic formulation for use as root feed to control the coconut eriophyid mite containing exudates from mixture of bacteria and fungi through a process of fermentation which comprises the following steps:

a. selecting a mixture thereof from a group comprising different strains of bacillus species and different orders of fungal organisms, the said mixture consisting of *Streptomyces avermitilis (B1), Bacillus megaterium (B2), Pseudomonas florescence (B3), Bacillus polymixa (B4), Bacillus subtilis (B5), Verticillium lecanii (E1), Metarhizium anisopliae (E2), Paecilomyces fumosoresus (E3), Beauveria bassiana (E4)* and *Hirsutella thompsonii (E5)*;

b. preparing plurality of culture mediums (C1-C10) each of the culture medium containing known basic common nutrients carrying salts dissolved in

sterile water and further including special specific nutrient composition for each selection to achieve the plurality of specific culture medium for each bacteria/fungal organism;

c. culturing of each selected bacteria and/or fungal organism ie *Streptomyces avermitilis (B1), Bacillus megaterium (B2), Pseudomonas florescence (B3), Bacillus polymixa (B4), Bacillus subtilis (B5), Verticillium lecanii (E1), Metarhizium anisopliae (E2), Paecilomyces fumosoreus (E3), Beauveria bassiana (E4)* and *Hirsutella thompsonii (E5)*) separately and respectively in prepared culture medium/s (C1-C10) so as to achieve $10^{10}$ bacterial count or $10^{8}$ CFU's fungal count in each culture;

d. heating the cultured organism/s at 120°C with 20lbs pressure so as to kill organism and to obtain cultured filtrate (CF) which includes exudates and living bacteria;

e. preparing carrier medium (Ca2);

f. adding and homogenizing the cultured filtrate (CF) to carrier medium (Ca2) so prepared to achieve a entomopathogenic formulation (F).

Ref: Indian Application No.958/MAS/2001

Text:36 Pages; Drgs NIL Sheets.

Ind.Cl.:$32F_3(a)$ **194560**

Int.Cl[7]:C 07 D 307/78

" AN IMPROVED PROCESS FOR THE PREPARATION OF 5-BROMO-1-(4'-FLUOROPHENYL)-1,3- DIHYDRO-ISO BENZOFURAN, AN INTERMEDIATE OF CITALOPRAM"

Applicant: NATCO PHARMA LTD.,
AN INDIAN COMPANY
NATCO HOUSE, ROAD NO.2,
BANJARA HILLS, HYDERABAD - 500033
INDIA

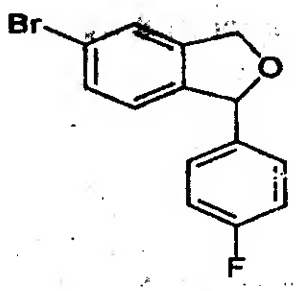
Inventors: 1. PULLA REDDY MUDDASANI
2. VENKAIAH CHOWDARY NANNAPANENI

Application No946/MAS/2001 filed on 22/11/2001
Division to Application No: 157/MAS/2001 Ante Dated: 22/02/2001

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

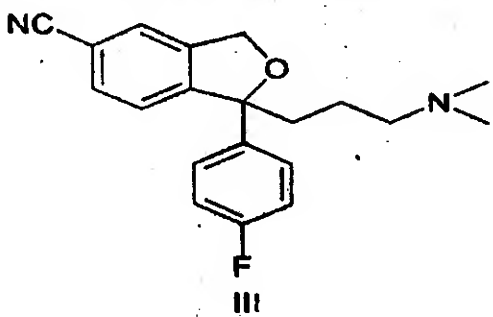
6 Claims

1. An improved process for the preparation of 5-bromo-1-(4'-fluorophenyl)-1, 3-dihydro-isobenzofuran of formula-I,




I

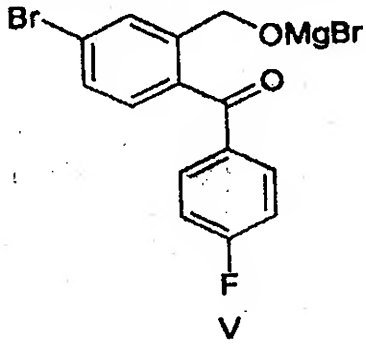
which is useful for the preparation of citalopram of formula-III,




III

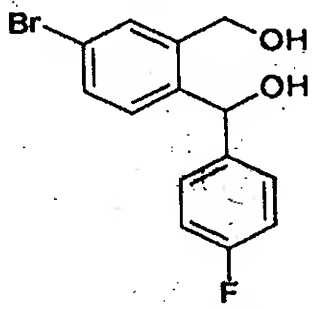
comprises:

(i) Reduction of the benzophenone derivative of formula-V,



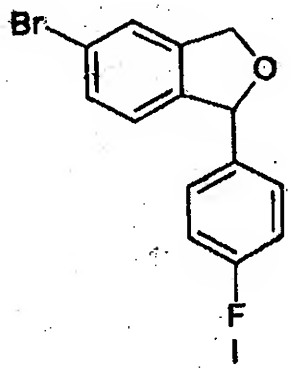

V

with sodium borohydride in the presence of an alcoholic solvent at a temperature in the range of -25°C to 10°C to obtain the compound of formula-VIII,




VIII

(ii) Reaction of the compound of formula-VIII obtained in step (i) with an a.. catalyst in a non-polar solvent to obtain the compound of formula-I,




I

Reference to : EP 171943, US 4650884, US 4136193, WO 00/011926, 00/013648

Comp.Specn. 17 Pages; Drgs NIL Sheets.

Ind.Cl.:32F2b

194561

Int. Cl[7]:C 07 D 239/00; C07D 239/36; C07D 239/70

" A PROCESS FOR THE PREPARATION OF SUBSTITUTED PRAZOLO [4,3-D] PYRIMIDINE

Applicant: Dr. REDDY's LABORATORIES LTD.,
AN INDIAN COMPANY
7-1-27, AMEERPET,
HYDERABAD - 500 016, ANDHRA PRADESH
INDIA

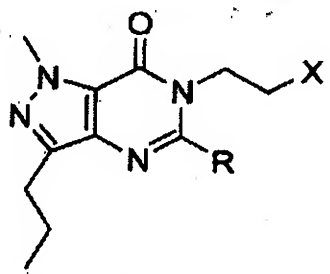
Inventors: 1. SAIBAL KUMAR DAS
2. JAVED IQBAL,
3. BAGEPALLI MADHU RAJESH
4. KALUSANI ANANTHA REDDY

Application No:847/MAS/2001 filed on 16/10/2001

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

10 Claims

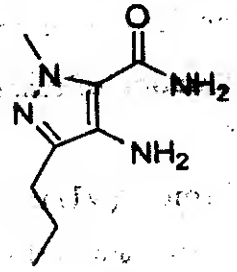
1. A process for the preparation of 1-methyl-3-propyl-6,7-dihydro-*1H*-pyrazolo[4,3-d]pyrimidin-7-one derivatives of the formula (I)



(I)

wherein X represents a leaving group such as halogen atom, methane sulphonate, *p*-toluene sulphonate and the like; R represents methyl or ethyl, which comprises :

i). reacting a compound of formula (III)

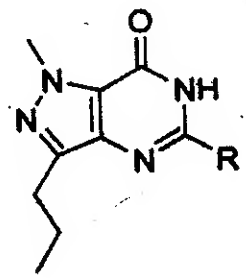


(III)

with a compound of formula (IV),

(IV)

where R represents methyl or ethyl group, Z is halide or $OCOR^1$ where $R^1$ represents ($C_1$-$C_6$)alkyl group, in the presence of an organic base and an acid such as acetic or propionic acid and a solvent, to give a compound of formula (V)

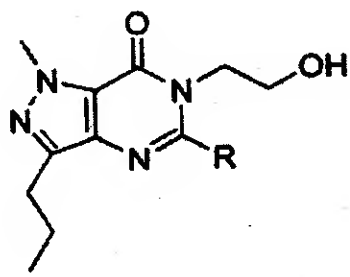


(V)



where R is as defined above, at a temperature in the range of -20 °C to 250 °C, preferably at 0 °C to 200 °C and the duration of reaction ranges from 2 h to 120 h, preferably from 2 to 72 h.

ii). N-alkylating the compound of formula (V) to a compound of formula (VI)



(VI)

where all symbols are as defined above using an alkylating agent in the presence of a base and solvent, at a temperature in the range of 0 °C to 120 °C, preferably at 0 °C to 80 °C and the duration of reaction ranges from 2 h to 96 h, preferably from 2 to 48 h.

iii). converting the compound of formula (VI) to a compound of formula (I) using a reagent in the presence of a base and solvent, at a temperature in the range of -20 °C to 80 °C, preferably at 0 °C to 25 °C and the duration of reaction ranges from 30 min. to 48 h, preferably from 30 min. to 20 h and

iv). isolating the compound of formula (I) by using conventional methods.

Comp.Specn. 12 Pages; Drgs nil Sheets.

Ind.Cl.:55 F 194562

Int. $Cl^7$:A 61 M 5/00

" INJECTION DEVICE WITH ELECTRONIC PRESENTATION OF SET DOSES"

Applicant: NOVO NORDISK , A DANISH JOINT - STOCK COMPANY, NOVO ALLE, 2880 BAGSVAERD, DENMARK

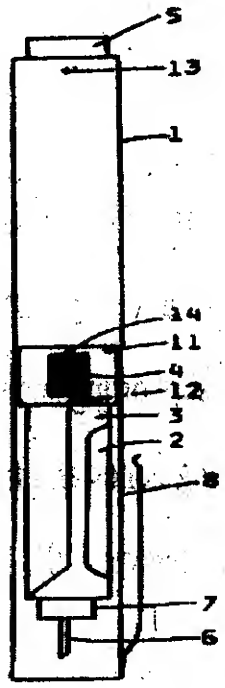
Inventors: 1. LARS PETER KLITMOSE
2. HENRIK EGESBORG HANSEN

Application No480/MAS/1997 filed on 07th March 1997

Convention No.0285/96 filed on, 12th March 1996 in DENMARK

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

17 Claims




1. An injection device comprising a plurality of operative elements for setting and injecting of set doses of medicine; signal generators connected to at least two of said operative elements to generate output signals representing operating conditions of said at least two operative elements, wherein the operating conditions indicated by such output signals individually are not indicative of whether an error state exists; and an electronic circuit coupled to said signal generators for receiving said output signals and for determining whether the combination of said output signals indicates an error state for said device.

Comp.Specn. 17 Pages; Drgs 02 Sheets.

Ind.Cl.:76 E

194563

Int. Cl[7]:F 16 B/3/14

" A SUPPORTING ANCHOR FOR FASTENING AN OUTER SHELL TO A SUPPORTING SHELL"

Applicant: UPAT GmbH & CO.,
A GERMAN COMPANY
FREIBURGER STRASSE 9
D-79312 EMMENDINGEN
GERMANY

Inventors: 1. ALBERT FRISCHMANN
2. JOACHIM MAUZ
3. ARNO PFAFF

Application No2180/MAS/1996 filed on 04/12/1996

Convention No.19546844.9 on, 15/12/1995 in GERMANY

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

9 Claims

1. A supporting anchor for fastening an outer shell to a supporting shell, having anchoring zones, separated by sealing rings, that can be filled with a hardenable compound, characterized in that a plastics part (3) is placed over the supporting anchor (1), which plastics part has sealing rings (5) that delimit the anchoring zones and that are fixed, spaced apart from one another, by means of webs (9) and/or sleeves (10).

Comp.Specn. 10 Pages; Drgs 5 Sheets.

Ind.Cl.:62 C

194564

Int.Cl[7]:D 06 B 05/12

" A PROCESS FOR DYEING TEXTILE SUBSTRATES AND AN APPARATUS FOR CARRYING OUT THE SAME"

Applicant: Uhde GmbH
A GERMAN COMPANY
FRIEDRICH-UHDE-STRASSE 15
44141 DORTMUND,
GERMANY

Inventors: 1. SCHOLLMEYER, ECKHARD, PROF. Dr.
2. BACH, ELKE, Dr.
3. CLEVE, ERNST, Dr.
4. BORK, MICHAEL,
5. STEINHAUER, MARTIN,
6. KORNER JORG-PETER

Application No.1734/MAS/1996 filed on 01/10/1996

Convention No.19538479.2 on, 16/10/1995 in GERMANY

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

6 Claims

A process for dyeing textile substrates, in particular in the production of yarn packages or wound material webs, with supercritical fluid such as herein described with varying treatment temperature, wherein said products are subjected to an afflux flow and/or a through-flow of said supercritical fluid substantially perpendicularly to their package or winding axis, characterized in that said fluid is circulated and is continuously saturated with dyestuff in a saturator and the treatment temperature of said circulating fluid is increased or reduced during the treatment period.

Comp.Specn. 15 Pages; Drgs 1 Sheets.

Ind.Cl.:134

**194565**

Int.Cl[7]:B60 R7/08

A rear parcel shelf to be disposed in a rear portion of a compartment of a motor vehicle.

Applicant: HONDA GIKEN KOGYO KABUSHIKI KAISHA
(ALSO TRADING AS HONDA MOTOR CO.LTD);
A CORPORATION OF JAPAN OF 1-1,2-CHOME,
MINAMI-AOYAMA, MINATO-KU, TOKYO,
JAPAN

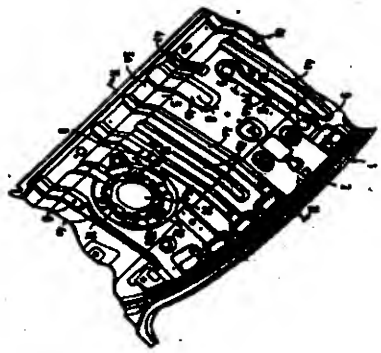
Inventors: 1. TOORU ONO

Application No1667/MAS/96 filed on 20th SEP 96

Convention No.304281/1995 on, 22nd NOV 95 in JAPAN

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

6 Claims



A rear parcel shelf (1) to be disposed in a rear portion of a compartment of motor vehicle, characterized in:

that a plurality of dented portions ($4_1$, $4_2$. $4_3$, $4_4$, $4_5$) are formed in a shelf main body (2) so as to extend in a longitudinal direction of the motor vehicle;

that a stepped portion (5) having a stepped cross section with a front side being lowered in elevation is formed in a front edge of said shelf main body; and

that at least part ($4_1$, $4_2$. $4_4$,) of said dented portions are extended down to and throughout a lower step part (5a) of said stepped portion (5).

Comp.Specn. 12 Pages; Drgs 2 Sheets.

Ind.Cl.:5D

Int.Cl[7]:A 63 B 27/00

194566

" TREE CLIMBING DEVICE"

Applicant: APPACHAN, AN INDIAN NATIONAL,
MUTHUKULATHIL HOUSE, CHEMPERI POST,
KANNUR DISTRICT, KERALA, INDIA

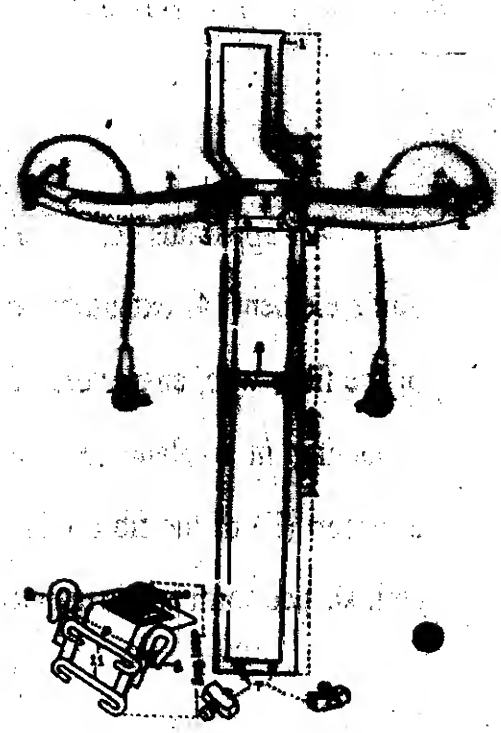
Inventors: 1. APPACHAN

Application No:1620/MAS/1996 filed on 17th September 1996

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

02 Claims

An implement for climbing on tall trees comprising a pair of identical metallic loops, each said loop having a main loop and sub loops, the top of the main loop being bent forward to form a handle and having attached thereto a belt carrying a wire rope, having rings at each end, the two limbs of the main loop being inter connected by belt fixing mechanism and distance clamp. The sub loop having connecting clamp and pedal and hook and locking mechanism for attaching wire rope, ring on flexible cord which enables the belt to tighten or loose according the weight applied to the sub loop and a pedal being provided in the sub loop having plastic mat and belt to hold the foot firmly.



Comp.Specn. 10 Pages; Drgs. 4 Sheets.

Ind.Cl.:172 D; 172 B

Int.Cl[7]:D01 G; D01 H; B 65 H

194567

" AN APPARATUS FOR GUIDING A FIBRE WEB"

Applicant: MACHINENFABRIK RIETER AG
A SWISS COMPANY
KLOSTERSTRASSE 20, CH-8406,
WINTERHUR,
SWITZERLAND

Inventors: 1. Dr. MARCEL SIEGENTHALER
2. WERNER GRABER

Application No1010/MAS/1996 filed on 10/06/1996

Convention No.02134/95-7 on, 20/07/1995 in SWIZTERLAND

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

11 Claims

1. An apparatus for guiding a fibre web (V1, V2) on a guide surface (20) of a guide element (4) extending transversely with respect to the direction of transport (T) of the fibre web, characterised in that the guide element (4) is designed as an element extending in a plane (30) arranged transversely with respect to the direction of transport (T) of the fibre web (V1, V2) and as an element which can be deformed in arch-shaped form and is maintained in its set position via a holding device (10).

Comp.Specn. 11 Pages; Drgs 2 Sheets.

Ind.Cl.:165 C

Int. Cl.[7]:D 05 B 57/14

194568

" A ROTARY LOOP TAKER"

Applicant: BAKRON CORP., A US COMPANY, 1275 BUSCH PARKWAY, BUFFALO GROVE, ILLINOIS - 60089, USA

Inventors: 1. PAUL BADILLO

Application No694/MAS/1996 filed on 25th April 1996

Convention No.08/429, 698 filed on 27th April 1995 in USSN

Appropriate office for Opposition Proceedings (Rule 4, Patents Rules, 2003), Patent Office, Chennai Branch.

25 Claims

A rotary loop taker comprising: a frame having a rotational axis; a loop seizing point; and first and second cooperating means between the frame and loop seizing point for removably maintaining the loop seizing point in an operative position on the frame, said first cooperating means comprising a) a first fixed projection on one of the loop seizing point and the frame, and b) a first receptacle for the first projection on the other of the loop seizing point and the frame, and said second cooperating means comprising c) a second fixed projection on one of the loop seizing point and the frame, and d) a second receptacle for the second projection on one of the loop seizing point and annular part of the frame, wherein said first and second cooperating means are directionally and spatially oriented relative to one another whereby the frame and loop seizing point may be selectively secured together or fully separated from each other.

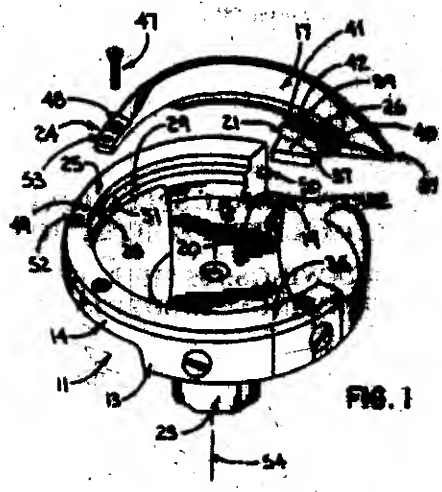


FIG. 1

Reference to : 1, 431, 380; 4, 493, 278;, 3, 139, 050

Comp.Specn. 17 Pages; Drgs. 04 Sheets.

IND. CL. : 157 D

194569

INT. CL. : E 01 B 1/00, 31/00, 26/00

TITLE : SELF STABILIZING RAILWAY TRACK STRUCTURE AND METHOD OF MAKING THE SAME

APPLICANT : KONKAN RAILWAY CORPORATION LIMITED., OF BELAPUR BHAVAN, SECTOR 11, CBD, BELAPUR, NAVI MUMBAI 400 614, MAHARASTRA, INDIA, AN INDIAN COMPANY.

INVENTOR : BOJJI RAJARAM

INTERNATIONAL APPLICATION NO : ————

INDIAN APPLICATION NO. : 900/MUM/2001 DATED 18/09/2001

**COMPLETE AFTER PROVISIONAL SPECIFICATION FILED ON 03/04/2002**

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES, 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

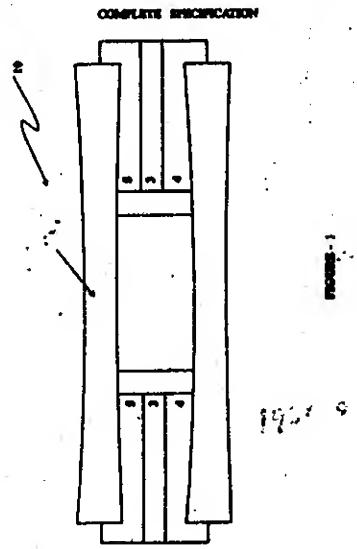
**20 CLAIMS**

A self stabilization railway track structure for fastening rails comprising

[i] a ballast bed consisting of a plurality of discrete gabion type inter fitting elements;

[ii] sleepers for fixing rails thereto adapted to be laid and fitted on the said ballast bed;

[iii] a resiliently compressible pad adapted to be provided between the said sleepers and the ballast bed.



**PROVISIONAL SPECIFICATION : 16 PAGES**
**COMPLETE SPECIFICATION : 21 PAGES**
**DRAWINGS: 05 SHEETS**
**DRAWINGS: 05 SHEETS**

Ind. Cl. : 55 C

194570

INT. CL. : A 01 M 013/00
A 01 N 59/06, 59/26

TITLE : PROCESS FOR MANUFACTURING OF NON-SWALLOWABLE ALUMINIUM PHOSPHIDE TABLETS

APPLICANT : SHROFF RAJNIKANT DEVIDAS
MUMBAI, INDIAN INHABITANT
202, PARSHURAM, #0 PALI HILL,
BANDRA, MUMBAI - 400 050,
STATE OF MAHARASHTRA, INDIA
INDIAN

INVENTOR : - IDEM -

INTERNATIONAL APPLICATION NO : ———

INDIAN APPLICATION NO. : 439 MUM 2001 DATED 13/03/2001

**COMPLETE AFTER PROVISIONAL SPECIFICATION FILED ON 13.06.2002**

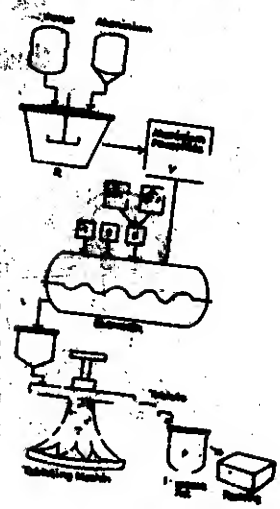
**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

## 07CLAIMS

1) A process for the manufacture of non-swallowable Aluminium Phosphide tablets comprising the following steps:

a. mixing of 50 – 100 ppm (parts per million) of bittering agent such as Denatonium Benzoate, in wax to get a homogeneous mixture;
b. charging and mixing 42% of ammonium carbamate and 30% of urea, by weight of the composition, in a blender;
c. adding 5% by weight of the composition, of homogeneous mixture of step (a) into the blender of step (b);
d. adding 5% of zinc stearate with or without graphite, by weight of the composition, to the mixture in the blender and forming a homogeneous mass;
e. adding 18% of Aluminium phosphide with a purity of 83-85%, by weight of the composition, in the blender;
f. blending for one hour to form a homogeneous mass;
g. feeding the homogeneous mass of step (f) into the hopper of the tablet machine for preparing tablets of 35-45 mm diameter, 7-8 mm thickness and 10-20 gm weight;
h. surface finishing the tablets obtained in step (g) by heating the tablets in a pressure vessel at a temperature of 70-80°C for 30-40 minutes followed by cooling to room temperature i.e. 20-35°C.

PROV. SPECN. 05 PAGES DRAG. NIL
COMPLETE SPECIFICATION : 09 PAGES DRAWINGS: 04 SHEETS



Int. Cl[7] : B05C 11/02

194571

Ind. Cl : 62B [XXII(I)]
Title : DYEING MACHINE
Applicant : CHI-LUNG CHANG, OF 121, SEC. 1, MIN-SHANG N. ROAD KUI-SHAN HSIANG, TAO-YUAN HSIEN, TAIWAN REPUBLIC OF CHINA

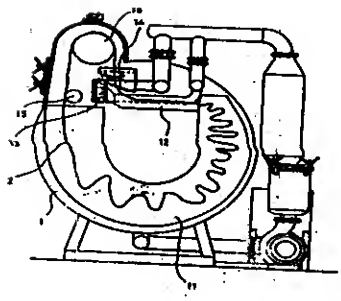
Inventor : CHI-LUNG CHANG
Application no 1546/CAL/1997 FILED ON 21.08.1997

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**2CLAIMS.**

A dyeing machine comprising:

- a machine base defining a cylindrical receiving chamber and a cloth passage, an overflow nozzle and a jet nozzle respectively suspended above said machine base, wherein said jet nozzle is disposed in a horizontal position, said overflow nozzle is disposed in a vertical position above the elevation of jet nozzle;
- a first cloth guide roller is disposed in front of said jet nozzle and adapted for guiding a piece of cloth from said cloth passage over said jet nozzle into said cylindrical receiving chamber for dyeing;
- a second cloth guide roller is suspended above said overflow nozzle and adapted for guiding a piece of cloth from said cloth passage over said overflow nozzle into said cylindrical receiving chamber for dyeing;
- the diameter of said second cloth guide roller is not less than that of said first cloth guide roller.



*Complete Specification : 6 pages.* *Drawing : 3 sheets*

194572

Int. Cl[7] : A61N 1/362

Ind. Cl : 128 G

Title : APPARATUS FOR MODIFYING CARDIAC OUTPUT OF THE HEART OF A SUBJECT.

Applicant : IMPULSE DYNAMICS N.V. OF 31 B SMITHPLEIN, P.O BOX 6, CURACAO, NETHERLANDS ASNTILLES.

Inventor : 1. DARVISH NISSIM
2. SHLOMO BEN-HAIM
3. FENSTER MAIER.
4. MIKA YUVAL

Application no 2185/CAL/1997 FILED ON 19.11.1997

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**33CLAIMS**

An apparatus for modifying cardiac output of the heart of a subject, comprising:

one or more sensors, which sense signals responsive to cardiac activity;

a stimulation probe comprising one or more stimulation electrodes, which apply non-excitatory stimulation pulses to a cardiac muscle segment; and

signal generation circuitry, coupled to the one or more sensors and the stimulation probe, which circuitry receives the signals from the one or more sensors and determines the magnitude and timing of and generates non-excitatory stimulation pulses responsive to said signals, said non-excitatory stimulation pulses being unable to generate a propagation action potential.

*Complete Specification : 50 pages.* *Drawing :24 sheets*

Int. Cl[7] : B01J 21/16

194573

Ind. Cl : 40B

Title : A PROCESS FOR THE PREPARATION OFA MODIFIED KAOLIN

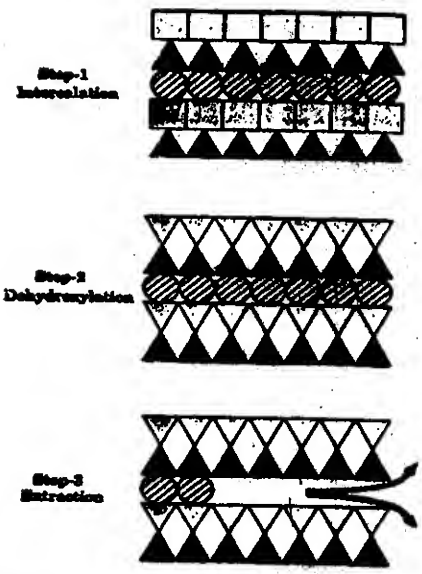
Applicant : THE UNIVERSITY OF QUEENSLAND OF OF ST. LUCIA, QUEENSLAND, 4072, AUSTRALIA

Inventor : 1. BALBIR SINGH
2. IAN DAVID RICHARD MACKINNON

Application no 1851/CAL/1996 FILED ON 23.10.1996.
(CONVENTION NO. PN6142 FILED ON 23.10.1996 IN AUSTRALIA.
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**27CLAIMS.**

A process for the preparation of a modified kaolin from a kaolin group mineral which is a 1:1 clay mineral wherein the kaolin mineral comprises a layer of Si-tetrahedral sheet and a layer of Al-octahedral sheet, said process comprising repeated expansion and contraction of said layers by initial intercalation with a reagent so as to penetrate said layers to reach an interlayer region therebetween, and form an intercalate on expansion of said layers and subsequent deintercalation which involves removal of the reagent, said repeated expansion and contraction of said layers progressively modifying the atomic structure of the kaolin group mineral to result in a modified kaolin, having increased capacity to intercalate salts and compounds of non univalent cations.




*Complete Specification : 33 pages.* *Drawing :17 sheets*

Int. Cl[7] : B32B 31/20 A01K 47/04

194574

Ind. Cl : 11C

Title : A METHOD AND APPARATUS FOR THE PRODUCTION OF HONEYCOMB FOR BEEKEEPING

Applicant : BREAT, S.L. OF IND. 17, 08930 SANT ADRIA DE BESOS, BARCELONA, SPAIN

Inventor : D. CARLOS FERRER VIDAL

Application no 1130/CAL/1998 FILED ON 26.6.1998
(CONVENTION NO. 970 1564 AND 980 1156 FILED ON 15.7.1997 AND 04.06.1998 IN SPAIN.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

## 16CLAIMS.

A method for the production of a honeycomb for beekeeping, said method comprising the steps of:
applying molten wax to a resilient mould constituted by a plurality of cores, for forming cells of half honeycombs, directly mounted and protruding from a first endless belt;
filling with molten wax the spaces between the adjacent cores separated at their point of attachment to the first endless belt so as to form a thin plate interconnecting the spaces between the cells by a second endless belt moving parallel to the first endless belt with a separation between said belts being slightly greater than the thickness of the half honeycomb to be produced, the second endless belt moving in the same direction and with the same speed as that of the first endless belt to form a moulded half honeycomb;
cooling the moulded half honeycomb, so produced;
separating the moulded half honeycomb from the core carrying mould; and
joining two moulded half honeycombs by their bases back to back, having cells extending in opposite direction to form a honeycomb.

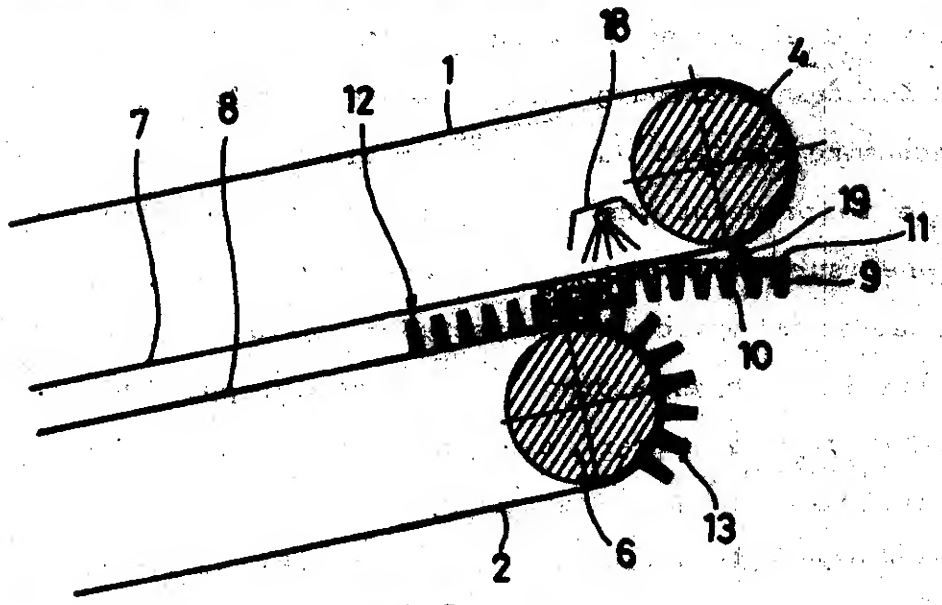



FIG.8

*Complete Specification : 10 pages. Drawing :6 sheets*

Int. Cl[7] : B01F 13/02, B65G 53/38, 69/06

194575

Ind. Cl : I32C, 195, 116 G

Title : PREASSEMBLED FLUIDIZING DEVICE HAVING EXPANSIVE AIR PASSAGE STIMULATING ENHANCED FLOW OF GRANULAR MATERIALS IN TANK TRAILERS AND CONTAINERS.

Applicant : DAVID EDWARD SISK OF 7353, HILLSBORO ROAD, BONNE TERRE, MISSOURI 63628, USA

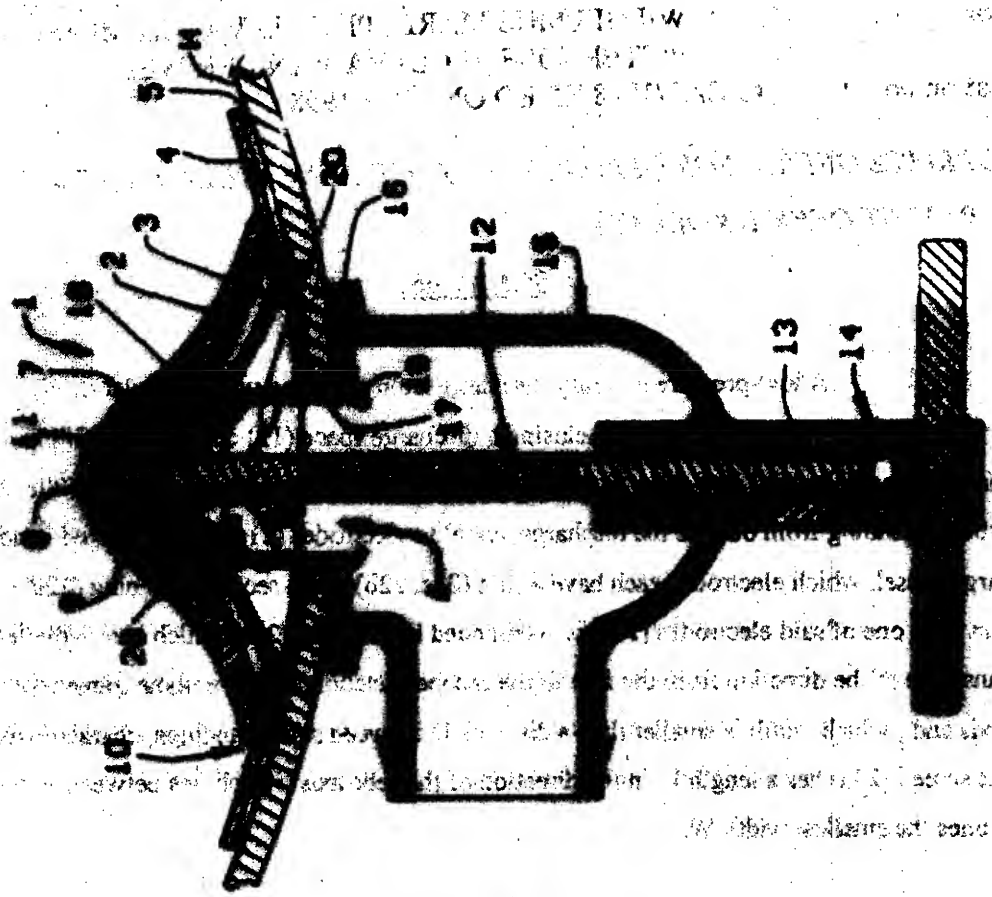
Inventor : DAVID EDWARD SISK

Application no 267/CAL/1998 FILED ON 19.2.1998
(CONVENTION NO. 09/008.102 FILED ON 16.1.1998 IN USA)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

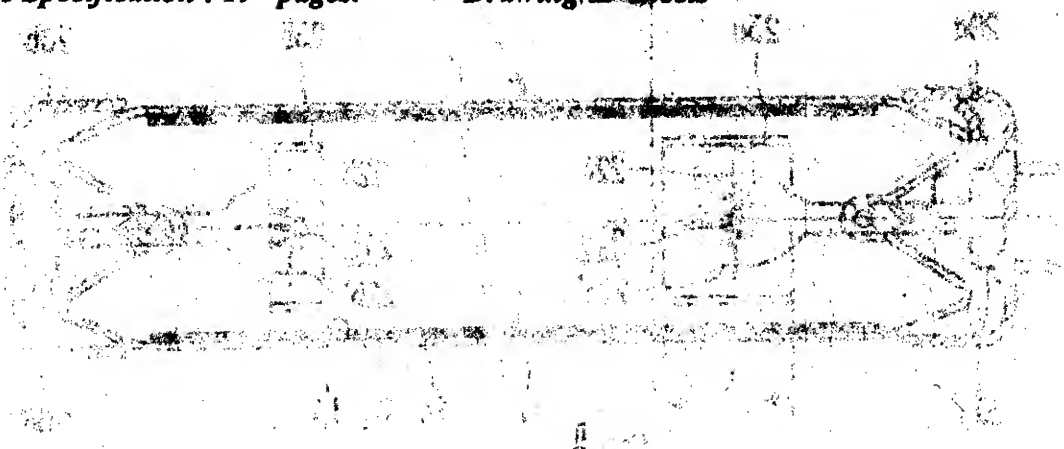
**12CLAIMS.**

A preassembled fluidizing device having expansive air passage stimulating enhanced flow of granular materials in tank trailers and containers; said fluidizing device comprising a hopper and an aeration device wherein the aeration device having an inner part and an outer part, the hopper having a wall with a hole therein, the inner part of said aeration device comprising a generally conical aeration gasket being sized to fit over said hopper wall hole and having a head, a fastening rod extending from said head through the interior of said conical aeration gasket, a mounting clip connected to said fastening rod and adapted to interact with said hopper wall hole to premount the inner part of the aeration device to an inner surface of said hopper wall before the outer part of said aeration device is connected to said fastening rod, said fastening rod extending through said hopper wall hole externally of said hopper; said outer part of the aeration device including an air distributor subsequently mounted to said fastening rod externally of said hopper wall, said air distributor being adapted to be operatively connected to a source of pressurized air, and the upper end of said air

distributor having an opening which is in communication with said hopper wall hole and said aeration gasket to supply substantial pressurized air to the aeration device during its application.




*Complete Specification : 19 pages.* *Drawing : 6 sheets*



Int. Cl[7] : H01J 61/10, H01J 61/24

194576

Ind. Cl : 66D 7, 194

Title : LOW-PRESSURE MERCURY DISCHARGE LAMP

Applicant : KONINKLIJKE PHILIPS ELECTRONICS N.V OF GROENEWOUDSEWEG 1, 5621, BA EINDHOVEN, THE NETHERLAND.

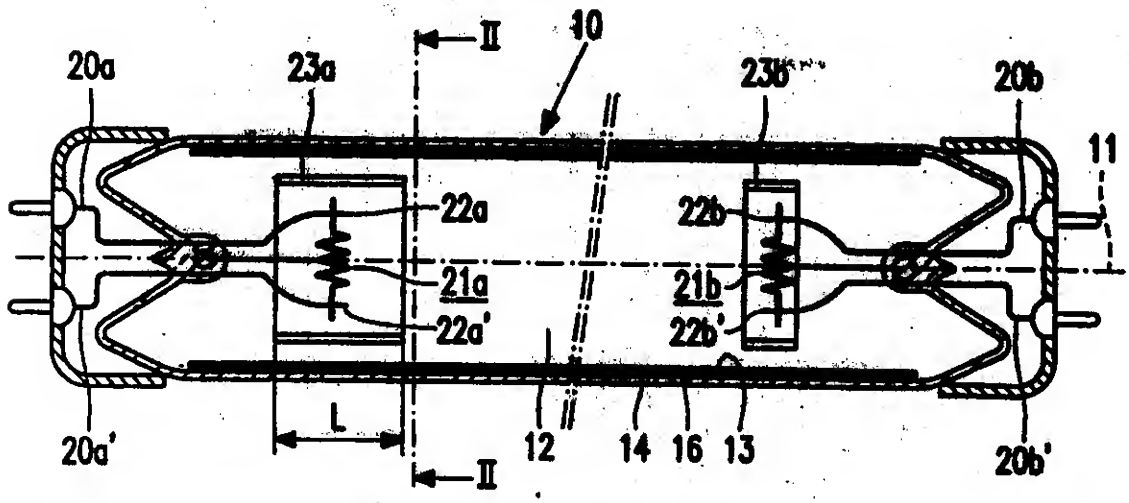
Inventor : 1. WILHELMUS MARIA PETRUS VAN KEMENADE.
2. PIETER JOSEPH CLARA VAN DER WEL

Application no 383/CAL/1998 FILED ON 10.3.1998

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

## 5CLAIMS.

A low-pressure mercury discharge lamp provided with a tubular discharge vessel (10) having a tube axis (11) and enclosing a discharge space (12) containing a filling of mercury and one or several rare gases in a gastight manner, current supply conductors (20a, 20a', 20b, 20b') extending from outside the discharge vessel to electrodes (21a, 21b) arranged inside the discharge vessel, which electrodes each have a first (22a, 22b) and a second fastening (22a', 22b'), while at least one of said electrodes (21a) is surrounded by a screen (23a) which has a smallest width W, transverse to the direction from the first to the second fastening and in a plane transverse to the tube axis and , which width is smaller than a distance D between said fastenings, characterized in that the screen (23a) has a length L, in the direction of the tube axis, which lies between once and three times the smallest width W.




*Complete Specification : 7 pages.* *Drawing : 2 sheets*

Int. Cl[7] : H01H- 7/00

194577

Ind. Cl : 69 I

Title : A QUIET CYCLE SELECTOR FOR A CAM-OPERATED TIMER AND A MEHTOD OF QUIET CYCLE SELECTION IN A CAM-OPERATED TIMER.

Applicant : EMERSON ELECTRIC CO. OF 8000, WEST FLORISSANT ST. OOUIS MISSOURI 63136, USA

Inventor : DANIEL KEITH

Application no 963/CAL/1997 FILED ON 26.5.1997

(CONVENTION NO. 08/654,494 FILED ON 28.5.1996 IN USA.)

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**18CLAIMS.**

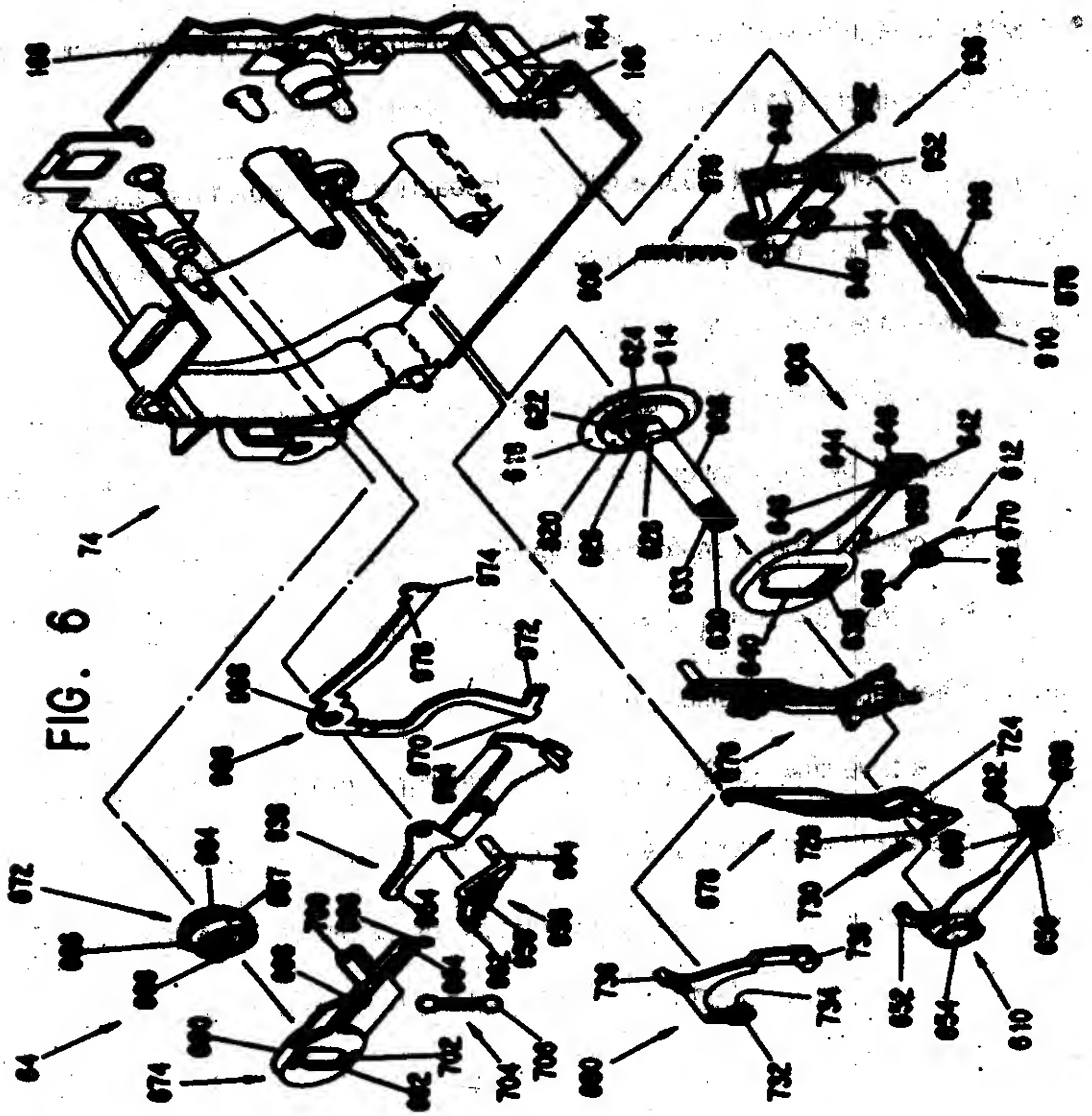


FIG. 6

1. A quiet cycle selector for a cam-operated timer, comprising

a housing ;

a camstack (62) carried in the housing for rotation and having switch program blades corresponding to predetermined appliance functions and a drive surface ;

a camstack drive (64) carried in the housing and operated by a motor to engage the camstack drive surface to rotate the camstack (62) ;

blade switches (66) placed in working relationship to the camstack switch program blades, having switch blades (66) provided with electrical contacts (744), cam-follower blades (790), cam-follower electrical contacts, and cam-follower riders (802) engaging the switch program blades to open and close the electrical contacts (744) with the cam-follower electrical contacts ;

a control shaft (438) axially displaceable in the housing to a depressed position and an extended position providing an axis for rotation of the camstack (62) with a ramped end and a control end ;

a switch lifter (874) carried in the housing and having a switch lifter ramp (900) operated by the control shaft (438) ramped end and a switch lifter contacter (904) to contact the cam-follower blades (790) to disengage the cam-follower riders (802) from the switch program blades when the control shaft (438) is moved to the depressed position ; and .

a drive lifter (936) carried in the housing and having a drive lifter ramp that is operated by the control shaft ramped end and a drive contacter (936) to contact the camstack drive (64) to disengage the camstack drive (64) from the camstack drive surface when the control shaft (438) is moved to the depressed position.

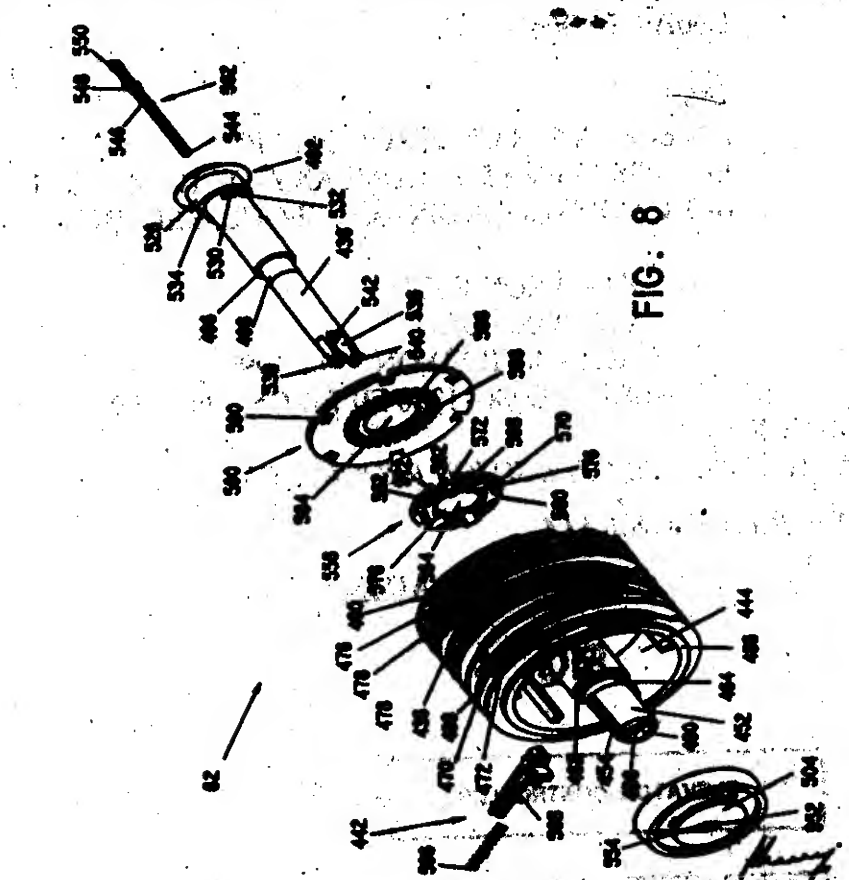


FIG. 8

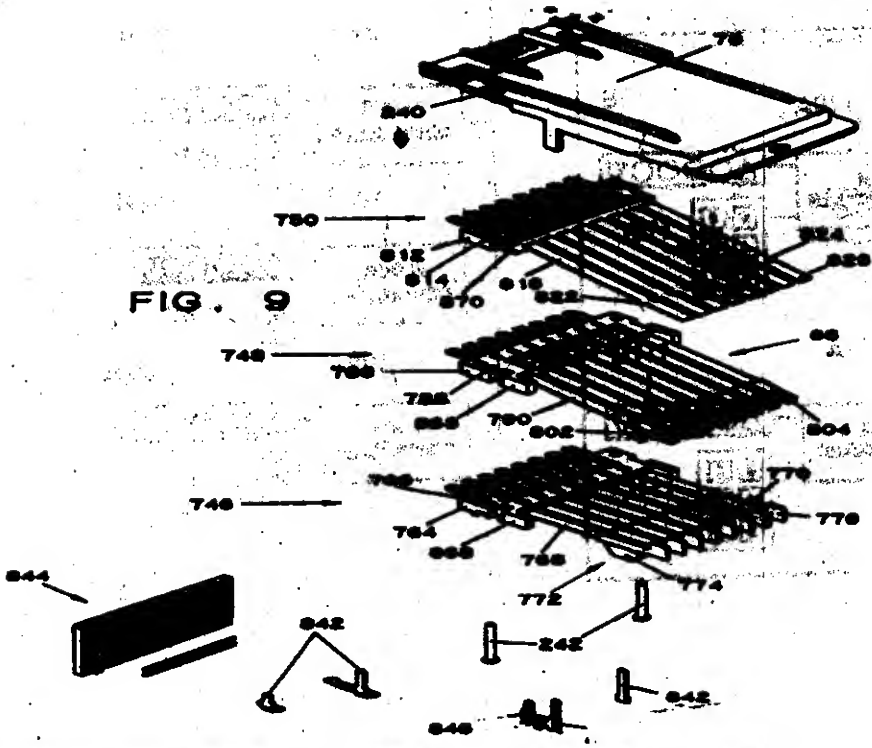


FIG. 9

*Complete Specification : 115 pages.* *Drawing :23 sheets*

Int. Cl[7] : B66B 1/34 B66B 1/28

194578

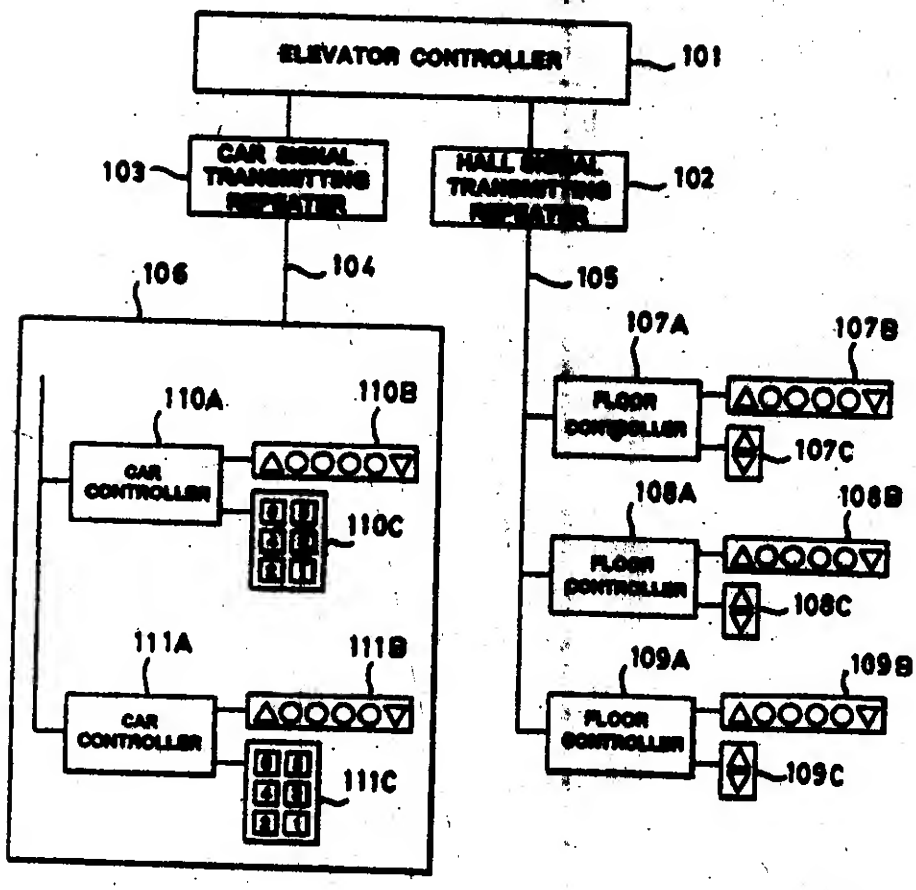
Ind. Cl : 206E
Title : AN ELEVATOR CONTROL SYSTEM
Applicant : LG OTIS ELEVATOR COMPANY, OF 10, MULLAE-DONG, 6-GA, YOUNGDUNGPO-KU, SEOUL, REPUBLIC OF KOREA.

Inventor : 1. KIM YEON HYN
2. LEE JONG GON

Application no 1470/CAL/1998 FILED ON 19.8.1998
(CONVENTION NO. 97-39686 AND 98-11270 FILED ON 20.8.1997 AND 31.3.1997 IN REPUBLIC OF KOREA.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**33 CLAIMS.**

**FIG. 4**



An elevator control system for controlling an elevator car which travels along a plurality of floors in a building, the elevator control system comprising:

a plurality of car position indicators installed at each floor for displaying a current floor position information of the car;

a plurality of hall call buttons installed at each floor for enabling a user to call the car and having lamps therein for displaying a call when the call is registered;

a plurality of floor controllers each having

group information memory means for storing a group identifier representing a group to which the floor controllers belong,

floor controller identifier memory means for storing an identifier of the floor controller, and

first processor means for controlling input/output of a floor information signal by generating and outputting a hall call signal responding to a hall call button pushed by the user and by receiving and outputting a car position information signal to the indicators for displaying, the floor controllers being installed at each floor and connected to the indicators installed at the same floor via a transmission line;

an elevator controller having

group information memory means for storing the group identifiers stored in the floor controllers,

floor controller identifier memory means for storing the identifier for each floor controller,

timer means for outputting a timing signal for transmitting an information signal to the floor controllers in each predetermined period of time,

second processor means for outputting an individual information signal for corresponding floors including an indicator lamp lighting signal for displaying a response to a hall call signal as well as a common information signal for all floors including the car position information signal whenever the output from the timer means is generated,

group selecting signal generating means for generating a group information signal selected by the second processor means from among group information stored in the group information memory means of the elevator controller and providing the second processor means with the selected group information signal included in the individual information signal, and

means for generating and outputting a failure check command signal for checking a failure of the floor controllers ;

a hall signal transmitting repeater for sending the individual and common information signals received from the elevator controller and transmitting the information signal received from the floor controller; and

a serial transmission line connected to the plurality for floor controller commonly and providing a signal transmission line between the hall signal transmitting repeater and the piurality of floor controllers.

***Complete Specification : 62 pages.*** ***Drawing : 28 sheets***

Int. Cl[7] : A23F 3/16

194579

Ind. Cl : 61(H)
Title : HOT WATER SOLUBLE INSTANT TEA
Applicant : GOODRICKE GROUP LIMITED, OF "CAMELLIA HOUSE" 14, GURUSADAY ROAD, KOLKATA 700 0019, INDIA

Inventor : DEVARAYAN SIVANARUL BAVAN
Application no 1671/KOL-NP/2003 FILED ON 26.12.2003

*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**10CLAIMS.**

A method for the production of hot water soluble instant tea, said method comprising the steps of:

(a) forming an extract by treating black tea leaves with hard warm water having hardness of 10 to 140 ppm and pH of 6.8 to 7.2 such as hereindescribed at a temperature in the range of 60 to 105°C ,

(b) stripping the extract of its aroma volatiles by passing the tea extract through a flash evaporator under partial vacuum, wherein the residence period is about 30 seconds to 360 seconds,

(c) separating at least about 12% by wt. as insoluble tea solids from the extract by subjecting the extract to repeated clarification and polishing to obtain a clarified concentrate,

(d) separating 6-10% soluble tea solids from the clarified concentrate,

(e) adjusting the pH of the concentrate to neutral by adding an edible acid,

(f) adding the aroma volatiles obtained in step (b) to the concentrate, and

(g) obtaining a substantially moisture free tea powder capable of being reconstituted in hot water to produce instant tea, substantially free of cloudiness and haze.

***Complete Specification :14 pages.*** ***Drawing : NIL***

Int. Cl[7] : F04B1/06 49/12

194580

Ind. Cl : 6A3

Title : A VARIABLE CAPACITY GAS COMPRESSOR, A SYSTEM AND METHOD FOR COOLING A SPACE AND A HEAT PUMP SYSTEM.

Applicant : BRISTOL COMPRESSORS, INC. OF 15185, INDUSTRIAL PARK ROAD, BRISTOL , VIRGINIA 24202, USA

Inventor :
1. JOSEPH F. LOPRETE.
2. MICHAEL R. YOUNG
3. JOHN W TOLBERT JR.
4. DAVID T MONK
5. PHILIP C WAGNER
6. JOE T HILL
7. LARRY PIPPIN
8. ROBERT B PETERS

Application no 1893/CAL/1998 FILED ON 23.10.1998
(CONVENTION NO. 09/133,841 FILED ON 13.8.1998 IN USA.)
*APPROPRIATE OFFICE FOR OPPOSITION PROCEEDING (RULE 4, PATENT RULES 2003) PATENT OFFICE KOLKATA.*

**39CLAIMS.**

A variable capacity gas compressor having a block with a plurality of cylinders formed therethrough, said cylinders having open discharge ends, a piston reciprocatably mounted in each said cylinder, a valve plate mounted on said block over the open ends of said cylinders and defining a plurality of compression chambers, said plate having a plurality of discharge valves adapted to place said compression chambers in communication with the high side of said compressor, a plurality of suction valves on said compressor adapted to place said compression chambers in communication with a low side of said compressor, a crankshaft rotatably mounted on said block and having a rotational axis and a plurality of crankpins formed thereon, a connecting rod for each said piston and mounted on a crankpin, at least one of said crankpins being complex and having an eccentric cam rotatably mounted on an inner shaft of said crankpin and serving as a journal for bearing means, at least one stop element on said crankshaft at one or more pre designed angular positions, at least one dog element on said cam at one or more pre designed angular positions, said stop elements and dog elements defining end points of rotatability of said cam on said crankpin shaft, a reversible motor on said compressor for driving said crankshaft selectively in either rotational direction in accordance with operational signals transmitted thereto, said cam being rotatable to one said

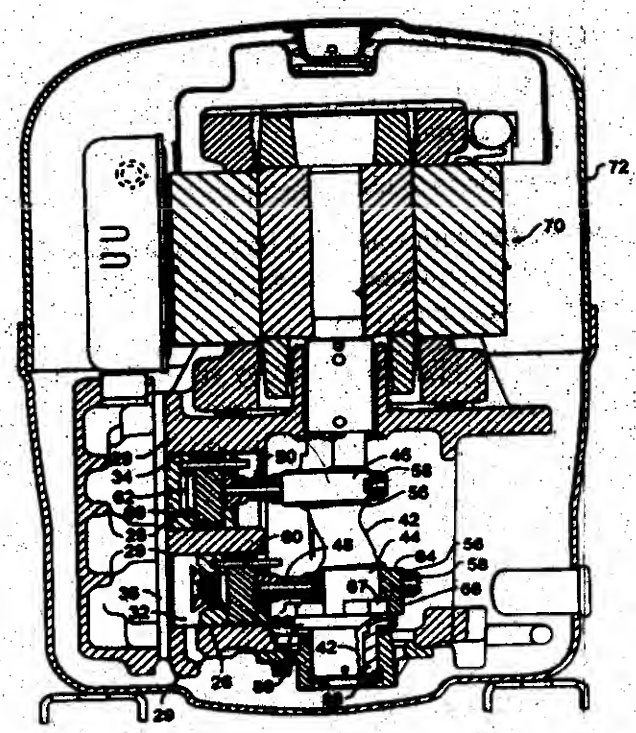
end point upon rotation of said crankshaft in one direction and to the other end point upon rotation of said crankshaft in the reverse direction, said stop elements and dog elements forming a junction at each said end point, and a stabilizing structure for at least one of said junctions and comprising at least one structure selected from the group consisting of :

(A) a positive lock structure selected from the group consisting of -

(a) a latching device having cooperating elements on said crankshaft and said cam, said elements being engageable and-disengageable at least at one of said end points by the application of or the release of, respectively, centrifugal force applied to one of said elements, or

(b) a pressure differential operable device having cooperating elements on said crankshaft and said cam, said elements being engageable and disengageable by sudden and opposite angular motion respectively between said crankpin shaft and said cam at least at one of said end points; and

(8) a friction drag device having cooperating elements on said cam and said crankpin shaft and being engageable to resist destabilizing forces tending to rotate said cam on said crankpin shaft and separate the junction at least at one of said end points.




*Complete Specification :57 pages.* *Drawing :29 sheets*

26—327GI/2004

Indian Classification : 83 XIV

International Classification[4] : C 09 K 15/00

**194581**

Title : **"AN IMPROVED PROCESS FOR THE ISOLATION OF ANTIOXIDANT FROM GRAPE SEEDS".**

Applicant : **COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH**, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : **GUDDADARANGAVVANAHALLY-KRISHNAREDDY JAYAPRAKASHA**
**RAVENDRA PRATAP SINGH**
**KUNNUMPURATH KURIAN SAKARIAH-**
**ALL INDIAN.**

Kind of Application : COMPLETE

Application for Patent Number **218/DEL/2001** filed on **28/02/2001**

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(06 Claims)

An improved process for the isolation of antioxidation from grape seeds, the said process comprising;

a) drying and powdering the grape seeds to obtain powder,

b) extracting the resulting powder with water at a temperature ranging between 30-60$^0$C to remove unwanted material,

c) filtering by known methods to obtain residue,

d) re-extracting the residue with water at a temperature ranging between 120- 130$^0$C at a pressure above atmospheric pressure, filtering by known method to obtain aqueous extract of phenolic compounds,

e) concentrating above said aqueous extract by vacuum distillation and extracting the concentrate with ethyl acetate at a temperature ranging between 30-60$^0$C, concentrating the extract by vacuum distillation to obtain the desired phenolic component as antioxidant.

(Complete Specification Pages 13 Drawing NIL Sheet)

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|---|---|---|
| Indian Classification | : | 103 |
| International Classification[4] | : | C 25D C 25F **194582** |
| Title | : | **"A FORMULATION USEFUL AS CORROSION INHIBITOR".** |
| Applicant | : | **COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH**, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860). |
| Inventors | : | **MUMTAZ AHMAD QURAISHI**<br>**JAYA RAWAT-BOTH INDIAN** |
| Kind of Application | : | COMPLETE |

Application for Patent Number **1060/DEL/2001** filed on **16/10/2001**.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(05 Claims)

A synergistic composition useful as corrosion inhibitor comprising a compound 1-Cinnamylidine-3-thiocarbphudrazide ranging between 0.05 wt% to 0.5 wt%, an alkali halide ranging between 0.10% to 0.50%(wt%), surfactant ranging between 0.05 to 0.15 wt%, a diluent ranging between 5% to 10% (vol.%), balance being the mineral acid of concentration ranging 15 to 20%, wherein the alkali halide, surfactant and diluent used are selected from compounds such as herein described.

(Complete Specification Pages 15 Drawing 01 Sheet)

Indian Classification : 83 AI

194583

International Classification[4] : A23B 7/02

Title : "A PROCESS FOR THE PREPARATION OF DEHYDRATED LIME"

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi – 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).

Inventors : ATTAR SINGH CHAUHAN.
MYSORE NARAYAN REKHA
RAMESH YADAV AVULA
RAMESH SHYAM RAMTEKE-all Indian.

Kind of Application : Complete

Application for Patent Number 913/DEL/2001 filed on 03/09/2001.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 005.

**( 03 Claims )**

A process for the preparation of dehydrated whole lime, which comprises washing the fresh mature limes with water at a temperature ranging between 20-25$^0$C, pricking the above said whole lime mechanically on the skin, mixing the above said pricked whole lime with a sugar solution of 20-40$^0$Brix containing 3-5% edible oil in a ratio of lime to sugar solution ranging from 10:0.5 to 10:15 for a period ranging between 5-8 minutes followed by draining of treated fresh pricked lime and drying it a temperature ranging between 70-120$^0$C for a period of 18-24 hours to obtain the desired black coloured dehydrated whole lime.

(Complete Specification 8 Pages Drawings NIL Sheets)

| | | |
|---|---|---|
| Indian Classification | :- | 55 E |
| International Classification[7] | :- | A 61K 35/78 |

**194584**

| | | |
|---|---|---|
| Title | :- | "AN IMPROVED PROCESS FOR THE PREPARATION OF ECLIPTA ALBA EXTRACT WITH STANDARDISED WEDELOLACTONE CONTENT" |
| Applicant | :- | COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, India, an Indian registered body incorporated under the Registration of Societies Act. |
| Inventors | :- | MADAN MOHAN GUPTA - INDIAN<br>AJAI PRAKASH GUPTA - INDIAN<br>SUSHIL - KUMAR - INDIAN. |
| Kind of Application | :- | COMPLETE |

Application for Patent Number 1105/del/2001 filed on 31/10/2001

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office , New Delhi Branch - 110 008.

( Claims 2 )

An improved process for the preparation of Eclipta alba extract with standardised wedelolactone content which comprises, - (a) extracting the whole plant material of Eclipta alba using a non polar solvent is selected from petroleum ether, hexane, benzene and mixtures thereof to obtain defatted plant material; - (b) extracting the above said defatted plant material using a polar solvent selected from ethyl acetate, methanol, ethanol, water and a mixture thereof for a period ranging from 50 to 100 hrs, filtering and concentrating the filtrate under vacuum at a pressure in the range of 50-70 cm Hg, at a temperature in the range of 50-70°C to obtain a polar solvent extract; - (c) washing the above said polar solvent extract using an organic solvents selected from diethyl ether, ethyl acetate, chloroform, carbon tetrachloride and mixture thereof followed by drying under vacuum at a pressure in the range of 50-70 cm Hg and temperature in the range of 50-70°C to obtain the desired extract.

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|---|---|---|---|---|
| Complete Specification | No of Pages | 09 | Drawings Sheets | NIL |

| | | |
|---|---|---|
| Indian Classification | : | 39111 |
| International Classification[4] | : | A 62 D 003/00, B09B 003/00 **194585** |
| Title | : | **"AN IMPROVED PROCESS FOR EXTRACTION OF ALUMINIUM SULFATE FROM FLY ASH".** |
| Applicant | : | **COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH**, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860). |
| Inventors | : | **CHITTA RANJAN P ANDA NIVA NAYAK-BOTH INDIAN.** |
| Kind of Application | : | COMPLETE |

Application for Patent Number **963/DEL/2003** filed on **05/08/2003.**

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(02 Claims)

An improved process for extraction of aluminium sulfate from fly ash which comprises:

a) mixing fly ash with sulphuric acid in a ratio of 1:2 to obtain reaction mixture;

b) heating the above said reaction mixture at a temperature in the range of 100 to 210$^0$C for a period ranging from 45 to 180 minutes;

c) cooling the said reaction mixture;

d) adding water to the cooled reaction mixture obtained in step (c) and reheating at a temperature ranging from 100 to 120$^0$C for a period of about 1 to 2 hours;

e) setting the un-reacted fly ash by allowing the resultant reaction mixture to stand for a period of about 15 minutes;

f) adding hot water and filtering to obtain residue;

g) washing the residue obtained in step (f) to make it acid free;

h) adding the washings obtained from step (g) to the filtrate;

i) reducing the filtrate volume by subjecting to heat till the aluminium sulfate starts to precipite, allowing to cool to room temperature;

j) separating the aluminium sulfate formed in step (i) by filtration;

k) concentrating the filtrate obtained in step (j) and cooling to a temperature of the order of 8$^0$C and maintaining for a time period of about 12 hours to obtain residual aluminium sulfate precipitate;

l) separating the aluminium sulfate formed in step (k) by filtration in cold condition;

m) washing the aluminium sulfate obtained in steps (j) & (l) with alcohol and acetone;

n) subjecting the washed aluminium sulfate to drying at a temperature in the range of 50 to 70$^0$C, followed by vacuum desiccation.

(Complete Specification Pages 17 Drawing NIL Sheet)

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|---|---|---|
| Indian Classification | : | 83 A1 |
| International Classification[7] | : | A23L 1/10 |
| | | **194586** |
| Title | : | "A PROCESS FOR THE PREPARATION OF HIGH ENERGY, HIGH PROTEIN SNACK FOOD." |
| Applicant | : | COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi – 110 001, INDIA, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860). |
| Inventors | : | SRIDEVI ANNAPURNA SINGH<br>THIRUMAKUDALU GHIKKARAJA SINDHU KANYA<br>PURNIMA KAUL TIKU<br>APPU RAO GOPALA RAO APPU RAO<br>MYSORU CHELUVARAYA SHAMANTHAKA SASTRY<br>VISHWESHWARIAH PRAKASH – ALL INDIAN. |
| Kind of Application | : | Complete |

Application for Patent Number 346/Del/2002 filed on 27th March 2002.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008.

**( 7 Claims )**

A process for the preparation of high energy, high protein snack food, having composition comprising following composition in weight percent:

| | |
|---|---|
| Refined wheat flour having at least 11 % protein | 18 - 22%, |
| Roasted groundnut grits | 18 - 22%, |
| Defatted soy flour | 6 - 10%, |
| Malted finger millet -dehulled | 6 - 10%, |
| Roasted sesame -dehulled | 1 - 3%, |
| Spices (chilli) | 0.2-0.7% |
| Sodium bicarbonate | 0.1-0.3% |
| Ammonium bicarbonate | 0.1-0.3% |
| Calcium carbonate | 0.15 -0.2% |
| Vitamin premix | 0.08 -0.12% |
| Unrefined sugar | 8 - 12% |
| Tomato puree | 15 - 25% |
| Soy lecithin | 02 – 0.5% and |
| Hydrogenated fat | 6-14 % |

the said process comprising steps of:

a) roasting of groundnut grits and seasame,

b) dehulling the roasted seasame,

c) malting the dehulled finger millet or pearl millet,

f) blending thoroughly ingredients of steps (a) to (c) along with wheat flour, defatted soy flour, salt species, vitamin premix, and sodium, potassium and ammonium salts as define above to get a dry powder blend,

e) dissolving unrefined sugar in tomato puree, decanting to remove the impurities to obtain a solution,

f) dissolving soy lecithin in hydrogenated fat to obtain a solution,

g) adding solutions of step (e) and (f) to dry powder of step(d) to obtain a non-sticky and smooth dough,

h) rolling into sheets, cutting or moulding the dough of step (g) to a desired shape and thickness,

i) taking the dough of step (h) in the temperature range of 180 to 220° C for 4-6 minutes,

j) cooling the baked product of step (i) by passing through a cooling conveyor belt to obtain the desired high energy high protein snack food,

(Complete Specification 16 Pages; Drawings Nil Sheet)

Indian Classification :- 83 B4

International Classification[7] :- A 23B 7/07, 7/02 & 7/04 **194587**

Title :- "A PROCESS FOR THE PREPARATION OF OSMO-DEHYDRO FROZEN TROPICAL FRUIT SLICES".

Applicant :- COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, new Delhi – 110 001, India, an Indian registered body incorporated under the Registration of Societies Act.

Inventors :- RAMESH YADAV AVULA – INDIAN
ATTAR SINGH CHAUHAN - INDIAN
MYSORE NARAYAN REKHA – INDIAN
RAMESH SHYAM RAMTEKE – INDIAN.

Kind of Application :- COMPLETE

Application for Patent Number 229/del/2002 filed on 14/03/2002

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office , New Delhi Branch - 110 008.

( Claims 4 )

A process for the preparation of osmo-dehydrofrozen tropical fruit slices, which comprises of

a) washing the fresh firm and fully ripened fruits selected from banana, mango or sapota with tap water at a temperature of 20-25°C,
b) peeling the cutting the above said washed fruits into uniform size slices of thickness ranging between 4 and 7 mm
c) steeping of the above washed, peeled and cleaned fruit slices in a hypertonic sugar solution (HPTSS) of strength ranging from 30-70° Brix in a ratio of 1:1 to 1:3 for a period of 105-180 minutes,
d) drying the above said HPTSS treated fruit slices at a temperature in the range of 60-72°C for a period of 10-20 minutes to obtain the fruit slices having water activity level of 0.83-0.86, followed by packaging in polypropylene pouches by known methods such as herein described.

Complete Specification No of Pages 12 Drawings Sheets NIL

| | | |
|---|---|---|
| Indian Classification | : | $55E_4$ |
| International Classification[4] | : | A 61K 31/00 |

**194588**

| | | |
|---|---|---|
| Title | : | **"A PROCESS FOR THE PREPARATION OF PLANT BASED-RECONSTITUTED COLLAGEN SUBSTRATUM".** |
| Applicant | : | **COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH**, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860). |
| Inventors | : | **THANGAPPAN RAVIKUMAR**<br>**NATESAN SHANMUGASUNDARAM**<br>**MARY BABU-ALL INDIAN.** |
| Kind of Application | : | COMPLETE |

Application for Patent Number **84/DEL/2002** filed on **31/01/2002.**

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(11 Claims)

A process for the preparation of plant based-reconstituted collagen substratum which comprises;

i) preparing solubilized collagen by using purified proteolytic enzyme as herein described by using acid and alkali metal chloride as herein described, purifying further by known conventional method to get collagen solution,

ii) homogenizing the parenchymal layer of *Aloe vera* by conventional method to obtain mucilaginous extract,

iii) adding collagen solution as prepared in step (i) to *Aloe vera* extract as prepared in step (ii)

iv) reconstituting the solution mixture as prepared in step (iii) by adjusting the pH in the range of 7.2 – 7.4 using phosphate buffer and sodium hydroxide,

v) spreading/casting the reconstituted solution mixture prepared in step (iv), followed by drying at temperature not exceeding $33^0$C followed by sterilization, by known procedure, to get plant based-reconstituted collagen substratum.

(Complete Specification Pages 24 Drawing NIL Sheets)

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|---|---|---|
| Indian Classification | : | $55E_4$ ; $32F_1$* |
| | | 194589 |
| International Classification[7] | : | A61K 31/02 ; A61K 31/045 |
| Title | : | "A PROCESS FOR THE PREPARATION OF CHIRAL VICINAL DIOLOS USING SUPPORTED OSMATE." |
| Applicant | : | COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi – 110 001, INDIA, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860). |
| Inventors | : | BOYAPATI MANORANJAN CHOUDARY - INDIAN<br>NAIDU SREENIVASA CHOWDARI – INDIAN<br>KARANGULA JYOTHI - INDIAN<br>MANNEPALLI LAKSHMI KANTAM - INDIAN<br>KONDAPURAM VIJAYA RAGHAVAN - INDIAN |
| Kind of Application | : | Addition - Complete |

Application for Patent Number 166/Del/2002 filed on 28th Feb. 2002.
Patent of addition application of parent application no. 853/del/01 dt. 16.8.01 .
Antidated to 16.8.01

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008.

**( 8 Claims )**

A process for the preparation of chiral vicinal diols using the supported osmate catalyst of the formula $(S\text{-}NR_3)_2O_8O_{4-N}H_2O$ wherein S is a support ( resin or silica ) containing charge balancing anions as herein described , R is an alkyl group (methyl, ethyl, propyl, butyl ); n is the number of water molecules; the said, process comprises; asymmetrically dihydroxylating the olefin of the kind as herein described in the presence of a cinchona alkaloid such as herein described in a solvent systems consisting of water and atleast one of acetone, acetonitrile and t-butanol in a ratio of 1:1 to 1:3, at a temperature in the range of -70 to $100^0$C for a period of 0.5 to 24 hrs in the presence of catalytic amount of supported osmate catalyst wherein the supported osmate is 0.01 to 10 mole % of osmium content with respect to substrate, recovering the pure vicinal diol by conventional method as here described.

(Complete Specification 14 Pages; Drawings Nil Sheet)

| | | |
|---|---|---|
| Indian Classification | : | 83B 3 , 83A (1) |
| International Classification[4] | : | A23L 1/068; A23L3/00 |
| | | **194590** |
| Title | : | "A PROCESS FOR THE PREPARATION OF READY-TO SERVE PARTICULATE FREE TOMATO JUICE." |
| Applicant | : | COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi – 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860). |
| Inventors | : | NGASEPPAM IBOYAIMA SINGH<br>BIAUNSUNDARAM SATHIYA MALA<br>VENKOBARAO MURALI MADHAV-all Indian. |
| Kind of Application | : | **Complete** |

Application for Patent Number 356/DEL/2002 filed on 27/03/2002.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 005.

**( 04 Claims )**

1. A process for the preparation of ready-to-serve particulate free tomato juice comprising the steps of:
   a) crushing the washed fully ripe tomatoes in a conventional fruit mill,
   b) heating the above said crushed tomatoes at a temperature in range of 80-90$^0$C in a steam jacketed kettle,
   c) pulping the above heated crushed tomatoes to get pulpy juice by a conventional pulper,
   d) optionally micro filtering the above said tomato juice to obtain clarified tomato juice,
   e) adding additives such as sugar 10 to 25% by wt, acid such as citric acid 0 to 0.25% wt, salt, NaCl 0.05 to 1% wt, along with water 18to 75% by wt. to the above said clarified tomato juice to obtain the 50 to 100% clear tomato juice beverage,
   f) clarifying the above said beverage using a micro filtration unit at a pressure of 1-3 bar and at a temperature in the range of 25-30$^0$C,
   g) filling the above said clarified tomato juice beverage in a pre-sterile container, followed by pasteurization at a temperature in the range of 85-90$^0$C for a period ranging between 15 and 30 min.

(Complete Specification 11 Pages Drawings NIL Sheets)

## AMENDMENT UNDER RULE 123

In pursuance of leave granted under Rule 123 of the Patents Rules, 1972, the name of Applicants in respect of Patent Application No. 875/Cal/1996 renumbered as No. 189444 dated 14.05.1996 has been allowed to amend from IOGEN CORPORATION to IOGEN BIO-PRODUCTS CORPORATION of 400 Hunt Club Road, Ottawa, Ontario, Canada K1G 3N3.

## PATENTS SEALED ON 15.10.2004/KOLKATA

192413 192414 192417 192425 192426 192430 192433 192436 192439 192442 192449 192470 192565 192571 192572 192580

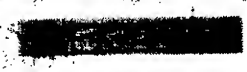
KOLKATA-16

## *REGISTRATION OF DESIGNS*

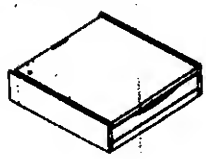
**The following designs have been registered. They are open for public inspection from the date of registration. (Colour combination if any, is not shown in the representation)**

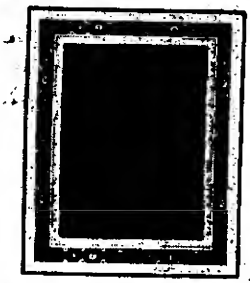
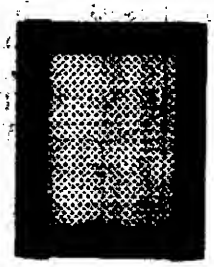
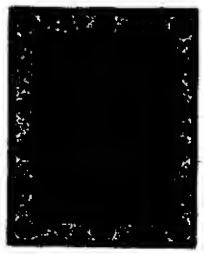
**The dates shown in the following each entry is the date of registration.**

| | | | |
|---|---|---|---|
| Class | 09-03 | No.193696. M/S. NATIONAL POLYPLAST (INDIA) LIMITED, THIUR COMPLEX, 2ND FLOOR, NO. 44, PANTHEON ROAD, EGMORE, CHENNAI-600008, TAMIL NADU, INDIA. "BOTTLE CRATE" 12.11.2003. |  |
| Class | 23-02 | No.193401. KOHLER CO. OF 444 HIGHLAND DRIVE, KOHLER, WISCONSIN 53044, U.S.A. "BOWL FOR WATER CLOSET" 10.04.2003 (RECIPROCITY U.S.A.) |  |
| Class | 23-02 | No.193400. KOHLER CO. OF 444 HIGHLAND DRIVE, KOHLER, WISCONSIN 53044, U.S.A. "WATER CLOSET" 10.04.2003 (RECIPROCITY U.S.A.) |  |
| Class | 19-02 | No.193905. M/S. KANIN INDIA (PVT) LTD. OF A-46 MOHAN COOPERATIVE INDUSTRIAL ESTATE LTD. DELHI MATHURA ROAD, NEW DELHI, INDIA. "STAPLER" 27.11.2003 |  |

| | | | |
|---|---|---|---|
| Class | 05-05 | No.193844. CHAMUNDI TEXTILES (SILK MILLS) LTD. OF B-206 BRIGADE MAJESTIC, # 26 FIRST MAIN ROAD, GANDHI NAGAR, BANGALORE-560 009, KARNATAKA, INDIA, "TEXTILE FABRIC" 21.11.2003 |  |
| Class | 19-02 | No.193906. M/S. KANIN INDIA (PVT) LTD. OF A-46 MOHAN COOPERATIVE INDUSTRIAL ESTATE LTD. DELHI MATHURA ROAD, NEW DELHI, INDIA. "STAPLE REMOVER" 27.11.2003 |  |
| Class | 19-06 | No.194225. SOCIETE BIC, OF 14 RUE JEANNE D'ASNIERES, 92611, CLICHY, CEDEX, FRANCE. "WRITING INSTRUMENT" 08.07.2003 (RECIPROCITY, U.S.A.) |  |
| Class | 15-03 | No.194308. BHARATIYA CATTLE RESOURCE DEVELOPMENT FOUNDATION, AHIMSA BHAWAN, F-125, LADO SARAI, NEW DELHI: -110 030, INDIA, "SEED DRILLING MACHINE" 19.01.2004 |  |
| Class | 25-99 | No.194784. JAINSONS AIRCON INDIA LIMITED, AN INDIAN COMPANY OF 10122-23, EAST PARK ROAD, NEW DELHI: -110 005, INDIA. "CANOPY WITH AIR IONISER", 8.3.2004. |  |

| | | | |
|---|---|---|---|
| Class | 19-06 | No.194864. WRIGHT INDIA LIMITED, AT 4, B.B.D. BAG (EAST), STEPHEN HOUSE, 4TH FLOOR, KOLKATA-700001, WEST BENGAL, INDIA. "BALL POINT PEN" 18.03.2004 |  |
| Class | 15-06 | No.194301. AJIT KUMAR RATTA, B-14, PRASHANT VIHAR, ROHINI, DELHI: -110 085, INDIA, "BOX FOR SEWING MACHINE" 19.01.2004 |  |
| Class | 15-06 | No.194302. AJIT KUMAR RATTA, B-14, PRASHANT VIHAR, ROHINI, DELHI: -110 085, INDIA, "BOX FOR SEWING MACHINE" 19.01.2004 |  |
| Class | 02-04 | No.194303. BATA INDIA LIMITED, AT 6A S.N. BANERJEE ROAD, KOLKATA: -700 013, W.B., INDIA. "FOOTWEAR" 20.01.2004 |  |
| Class | 02-04 | No.194304. BATA INDIA LIMITED, AT 6A S.N. BANERJEE ROAD, KOLKATA: -700 013, W.B., INDIA. "FOOTWEAR" 20.01.2004 |  |

| | | | |
|---|---|---|---|
| Class | 15-02 | No.194209. AGRO HARDWARE INDUSTRIES (P) LIMITED, , 369, GREEN AVENUE, AMRITSAR-143 001, PUNJAB, INDIA. "PRESSURE CHAMBER" 02.01.2004 |  |
| Class | 14-02 | No.193693. SONY COMPUTER ENTERTAINMENT INC. OF 2-6-21, MINAMI-AOYOMA, MINATO-KU, TOKYO 107-0062, JAPAN, "CONTROL UNIT" 27.05.2003 (RECIPROCITY, JAPAN) |  |
| Class | 28-03 | No.193873. KONINKLIJKE PHILIPS ELECTRONICS N.V., AT GROENEWOUDSEWEG 1, 5621 BA EINDHOVEN, THE NETHERLANDS. "ELECTRIC SHAVER" 28.05.2003 (RECIPROCITY EUROPEAN C OMMUNITY) |  |
| Class | 06-11 | No.195355. S.N. KAPOOR EXPORTS, KHWASJI KA BAGH, AMER ROAD, JAIPUR - 302 002, RAJASTHAN, (INDIA). "CARPET" 05.05.2004 |  |
| Class | 06-11 | No.195356. S.N. KAPOOR EXPORTS, KHWASJI KA BAGH, AMER ROAD, JAIPUR - 302 002, RAJASTHAN, (INDIA). "CARPET" 05.05.2004 |  |

| | | | |
|---|---|---|---|
| Class | 06-11 | No.195357. S.N. KAPOOR EXPORTS, KHWASJI KA BAGH, AMER ROAD, JAIPUR - 302 002, RAJASTHAN, (INDIA). "CARPET" 05.05.2004 |  |
| Class | 06-11 | No.195358. S.N. KAPOOR EXPORTS, KHWASJI KA BAGH, AMER ROAD, JAIPUR - 302 002, RAJASTHAN, (INDIA). "CARPET" 05.05.2004 |  |
| Class | 06-11 | No.195359. S.N. KAPOOR EXPORTS, KHWASJI KA BAGH, AMER ROAD, JAIPUR - 302 002, RAJASTHAN, (INDIA). "CARPET" 05.05.2004 |  |
| Class | 06-11 | No.195360. S.N. KAPOOR EXPORTS, KHWASJI KA BAGH, AMER ROAD, JAIPUR - 302 002, RAJASTHAN, (INDIA). "CARPET" 05.05.2004 |  |
| Class | 06-11 | No.195361. S.N. KAPOOR EXPORTS, KHWASJI KA BAGH, AMER ROAD, JAIPUR - 302 002, RAJASTHAN, (INDIA). "CARPET" 05.05.2004 |  |

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प्रबन्धक, भारत सरकार मुद्रणालय, फरीदाबाद द्वारा मुद्रित एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 2004
PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, FARIDABAD AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 2004